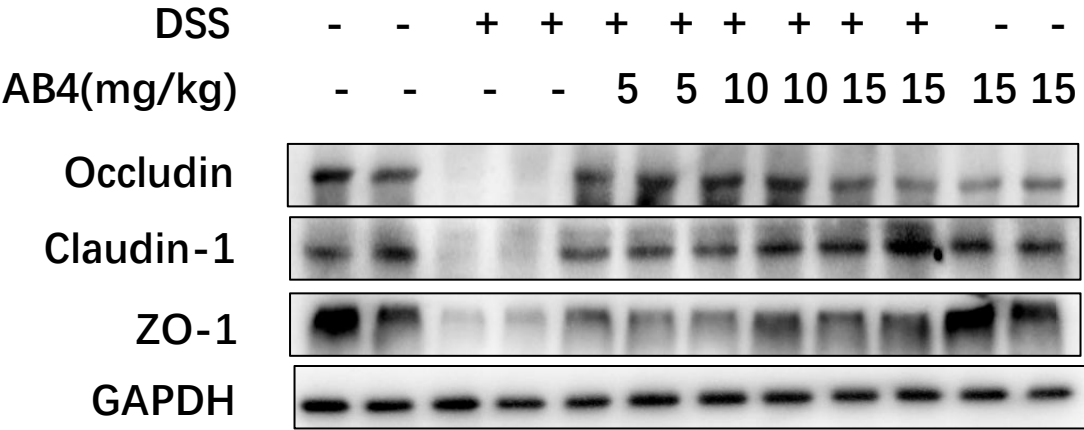
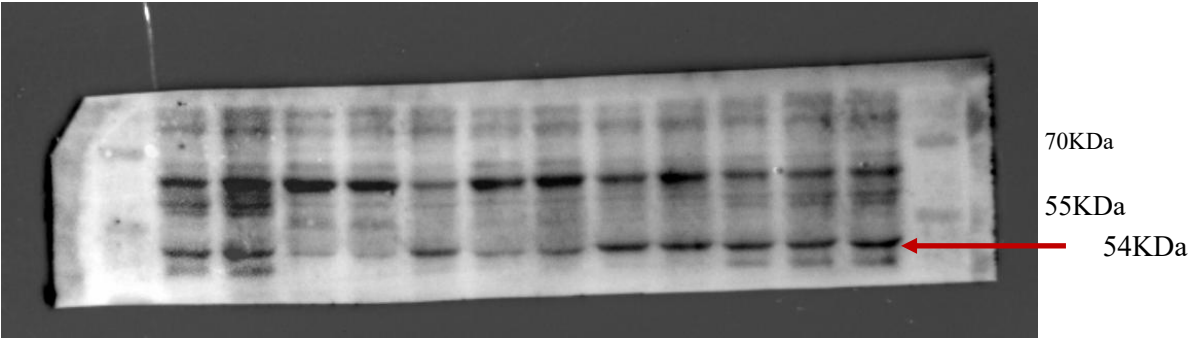
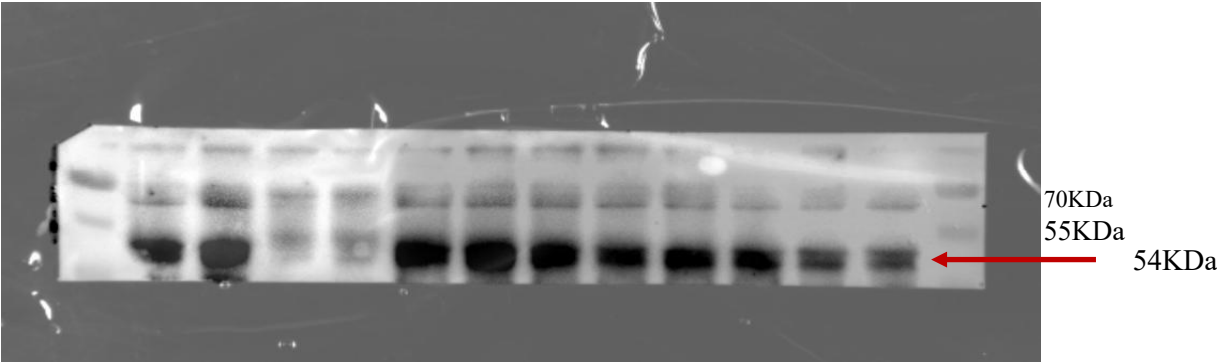
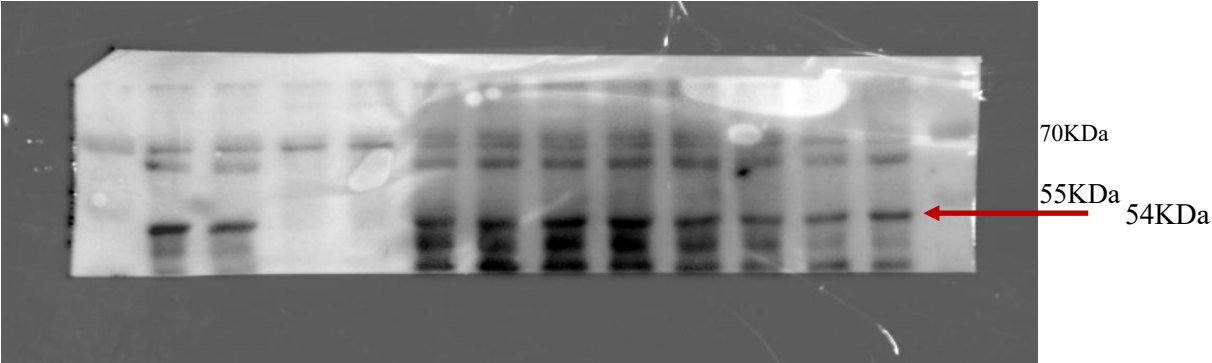


Fig.2 B



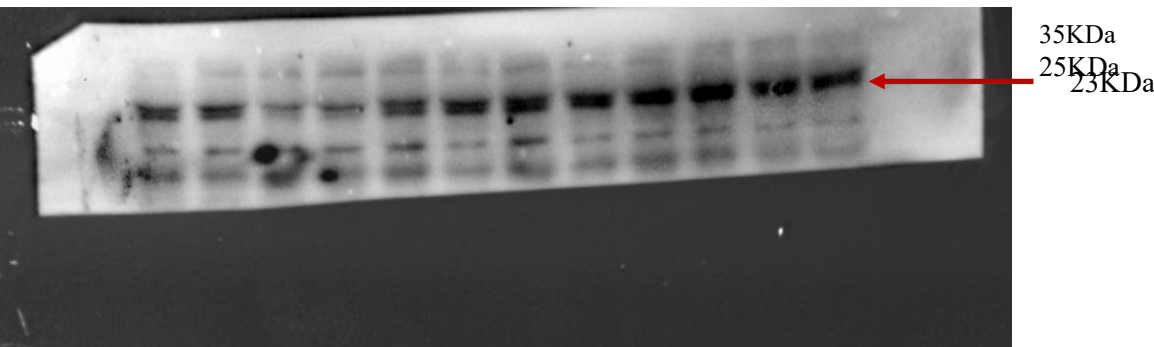
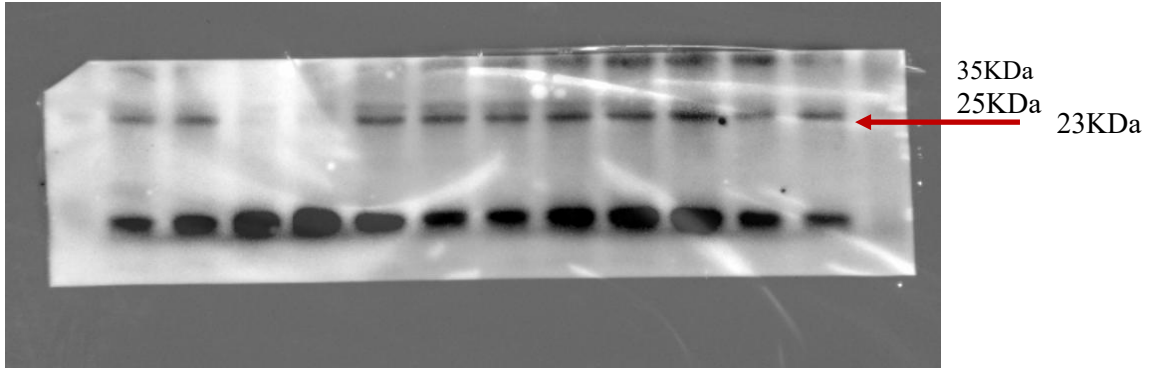
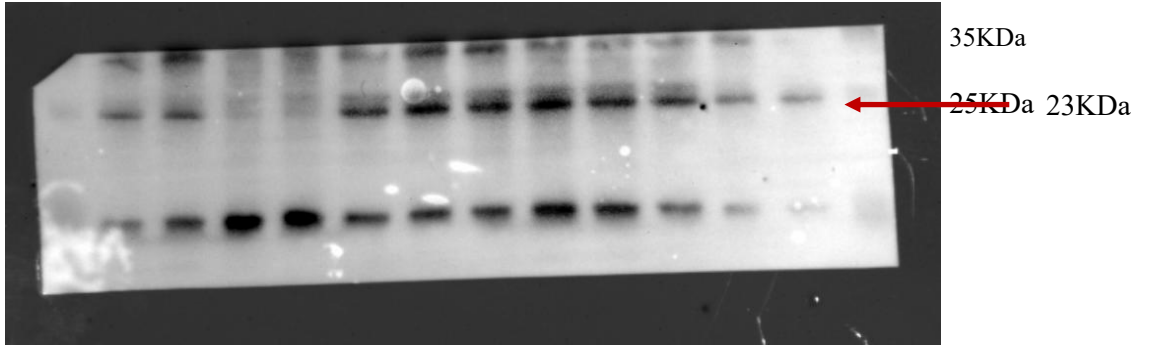
Occludin-1

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



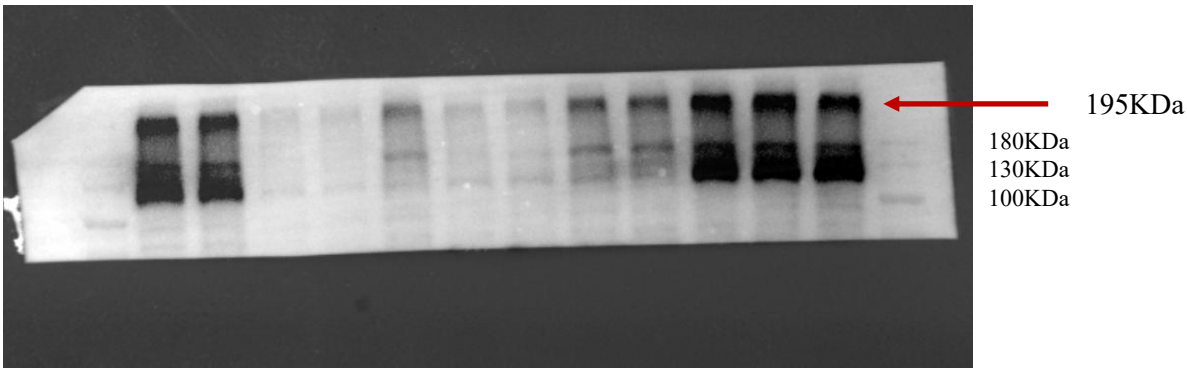
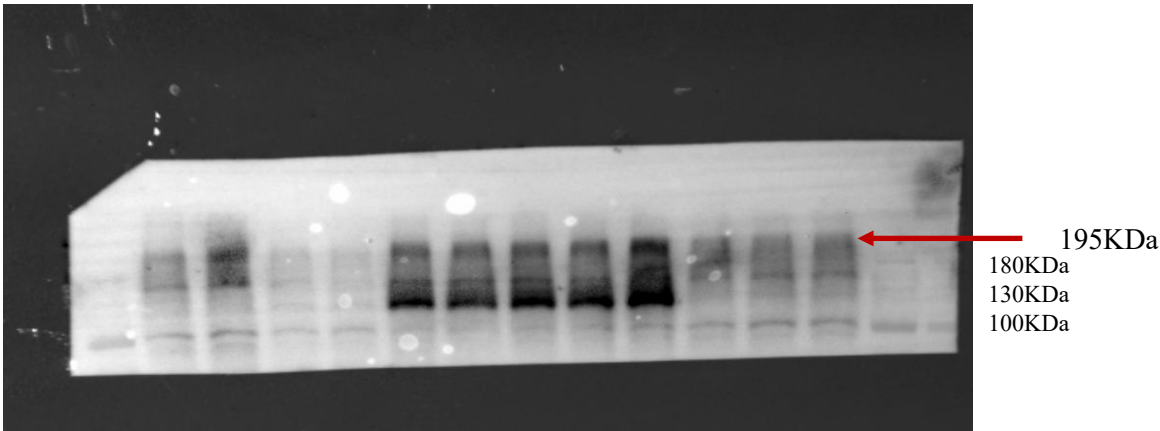
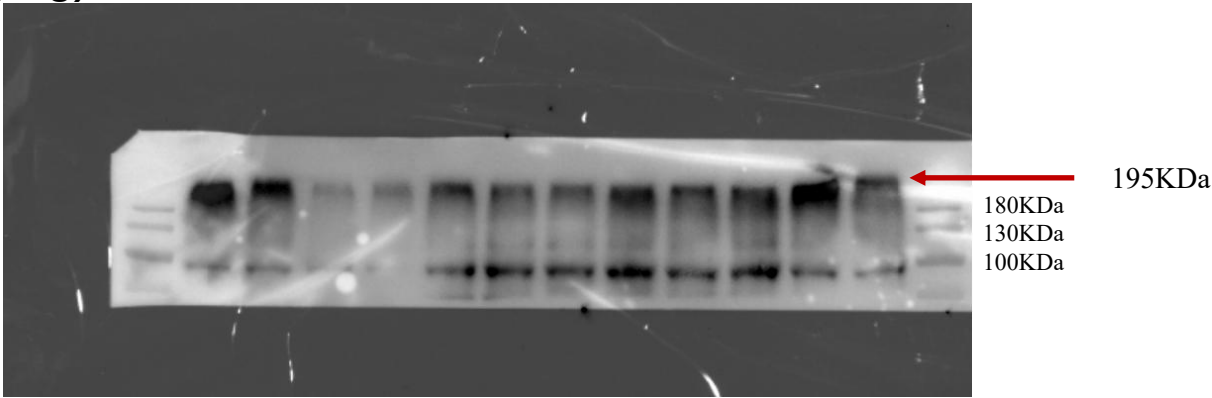
Claudin-1

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



ZO-1

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



GAPDH

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15

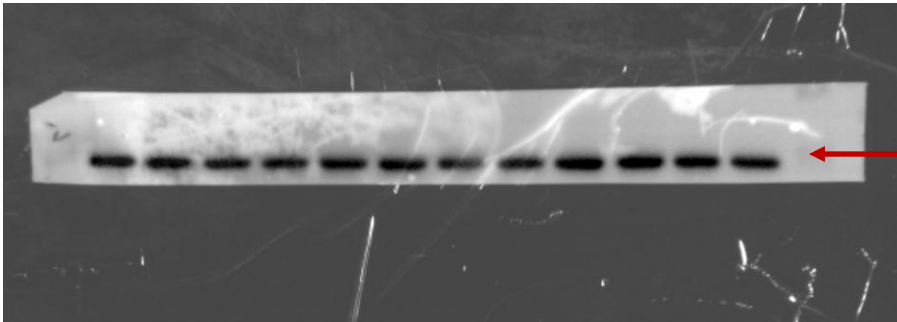
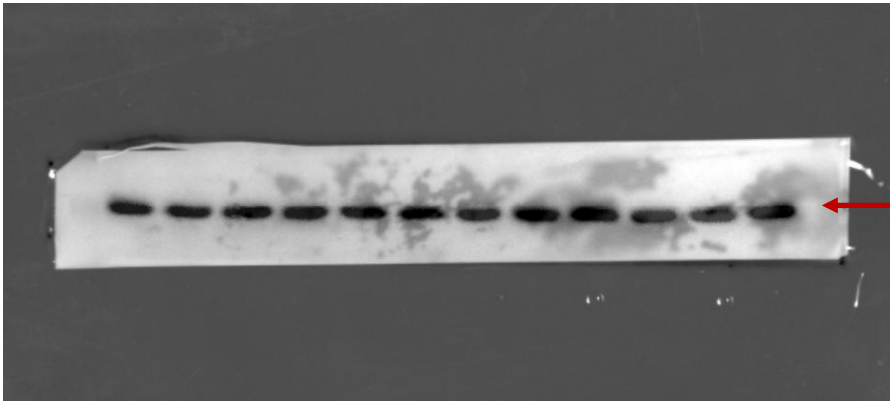
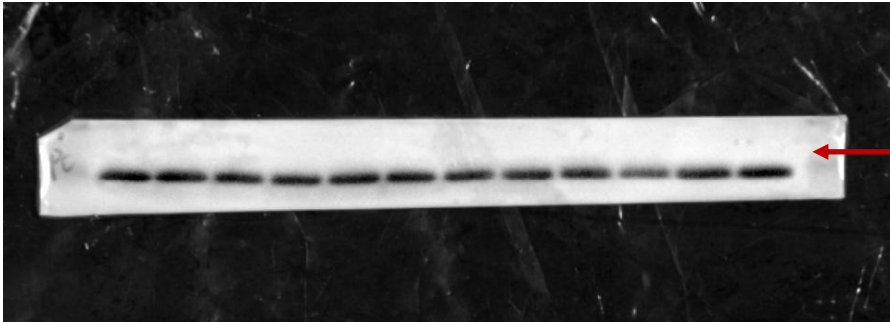
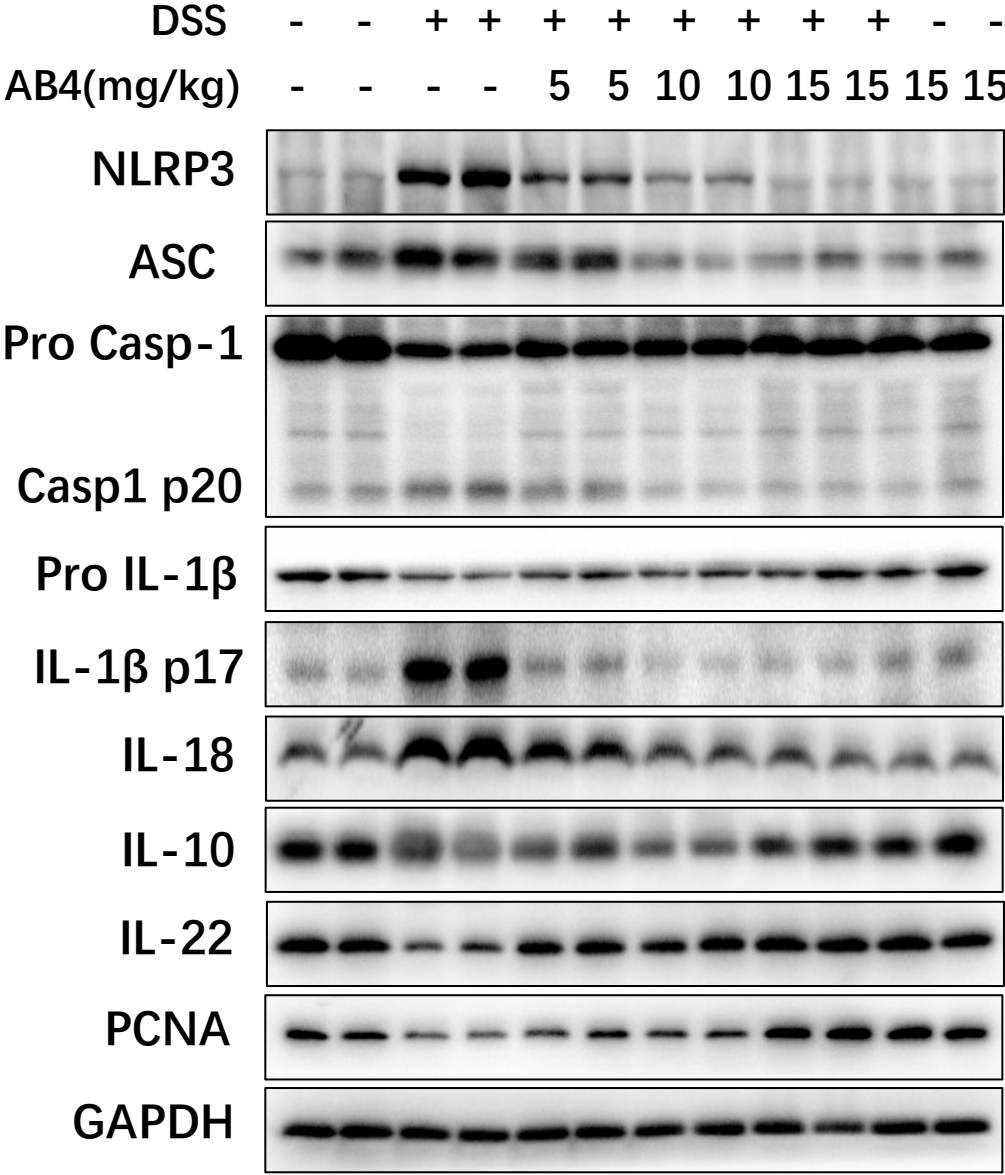
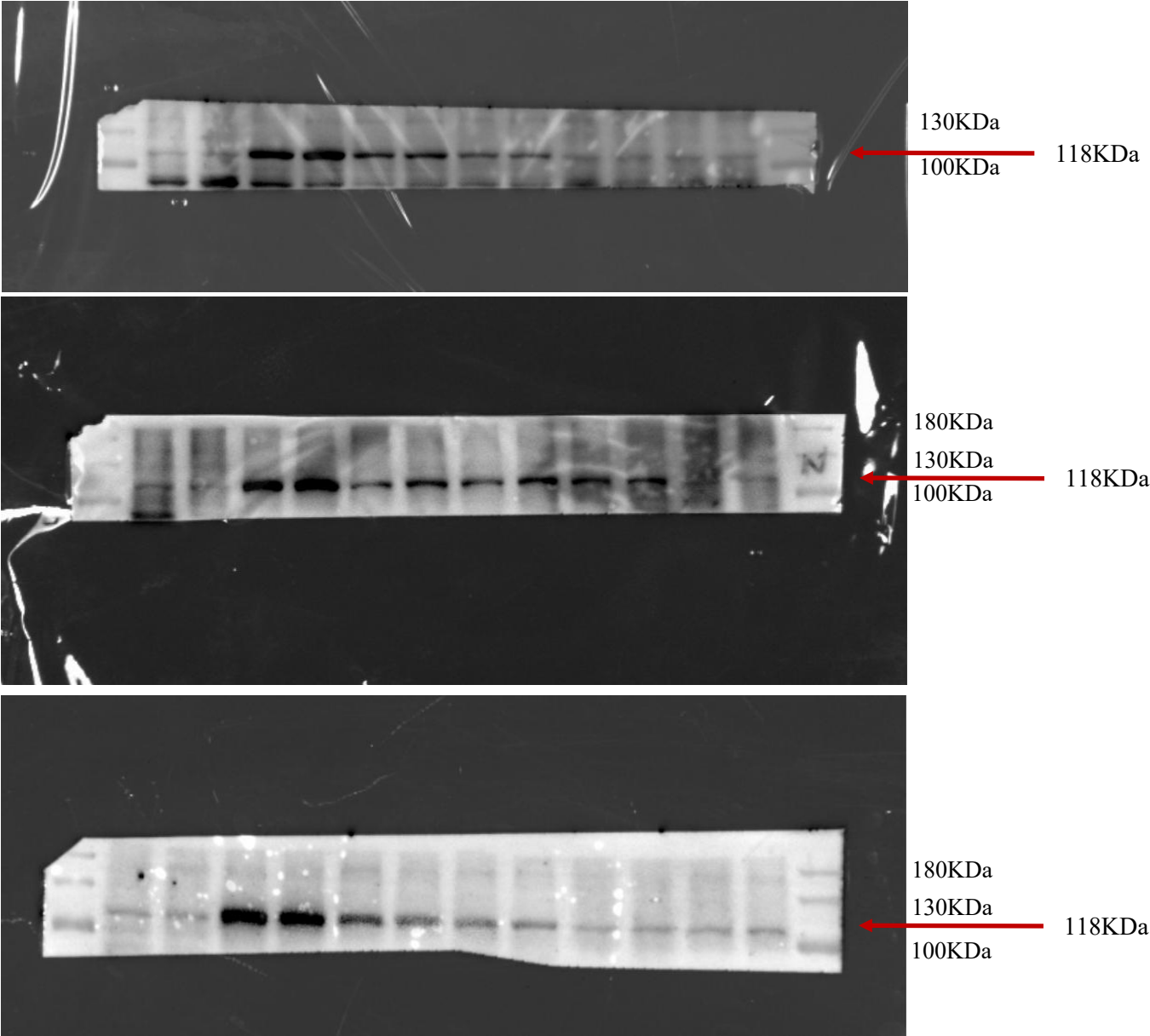


Fig.3 B



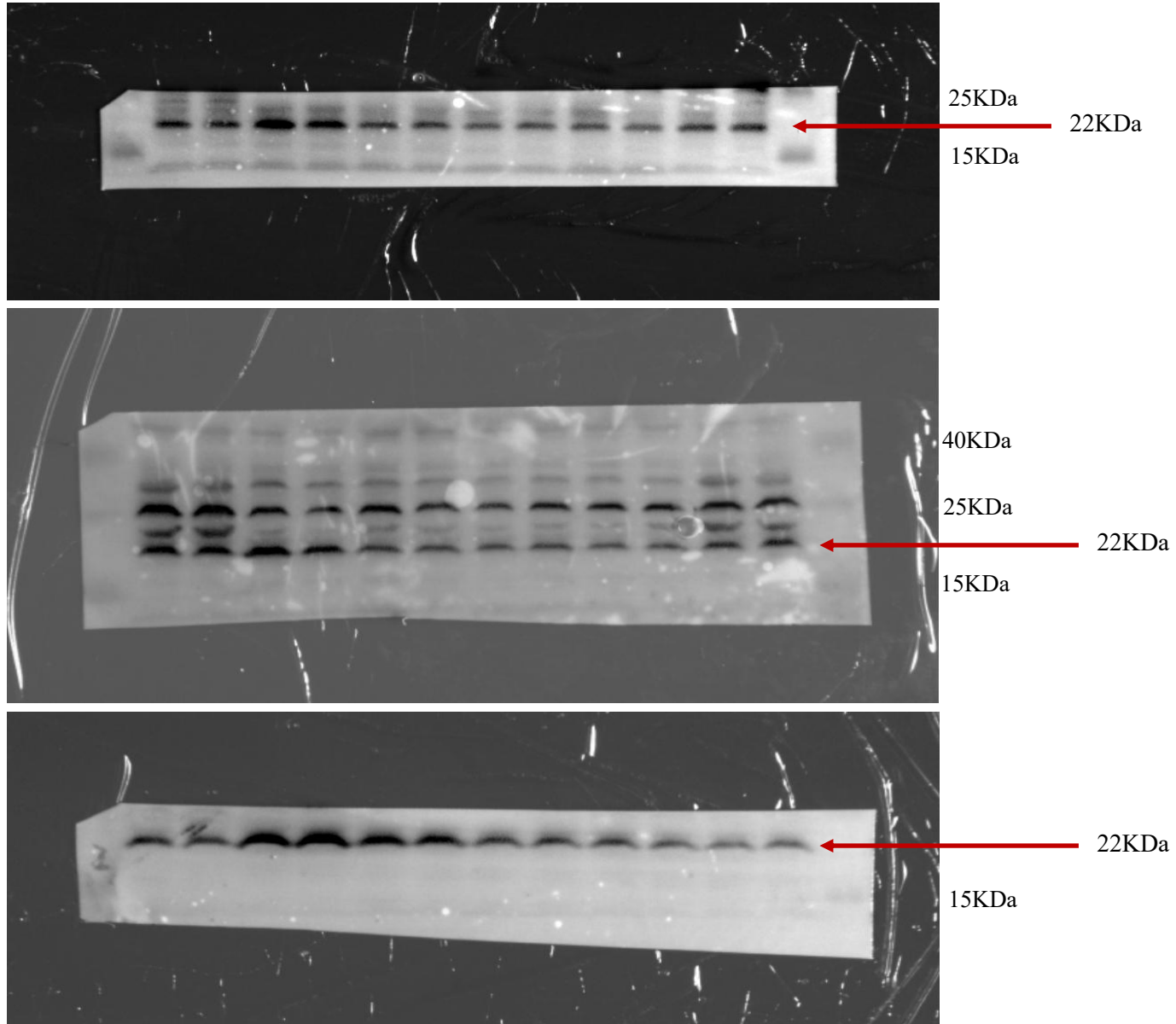
NLRP3

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



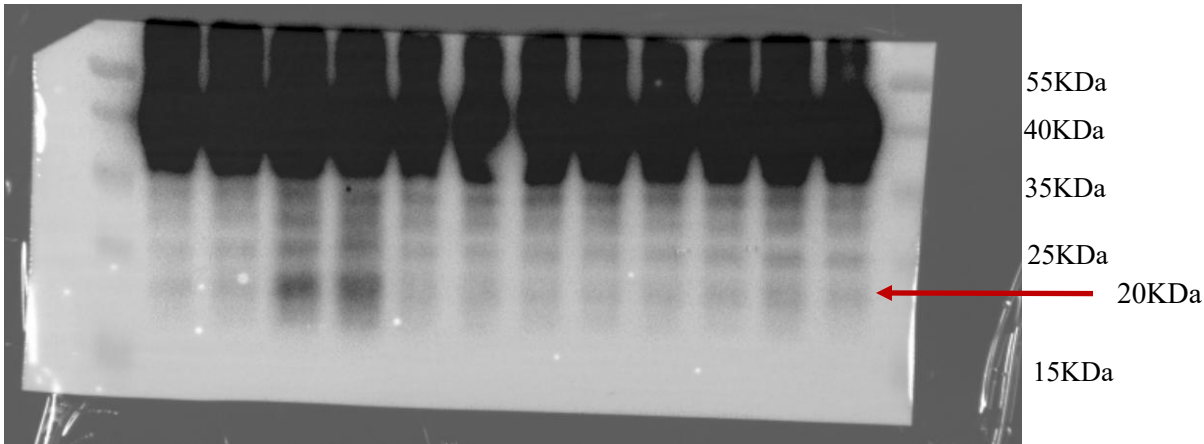
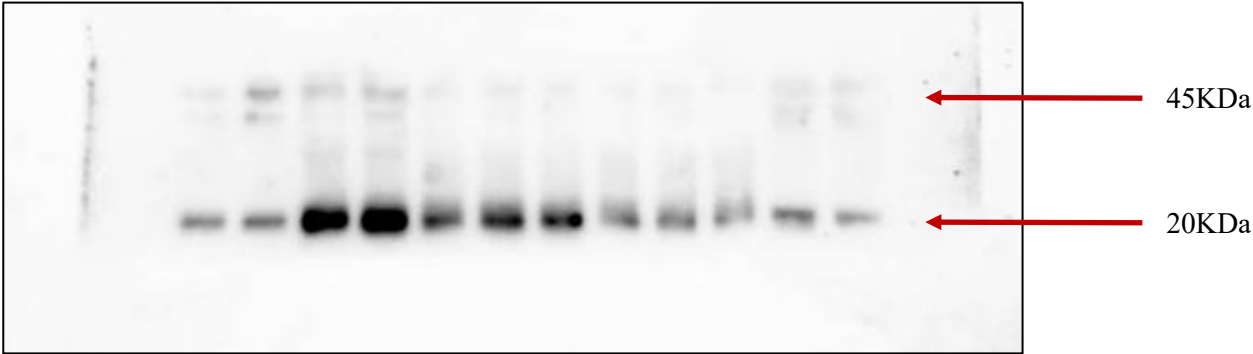
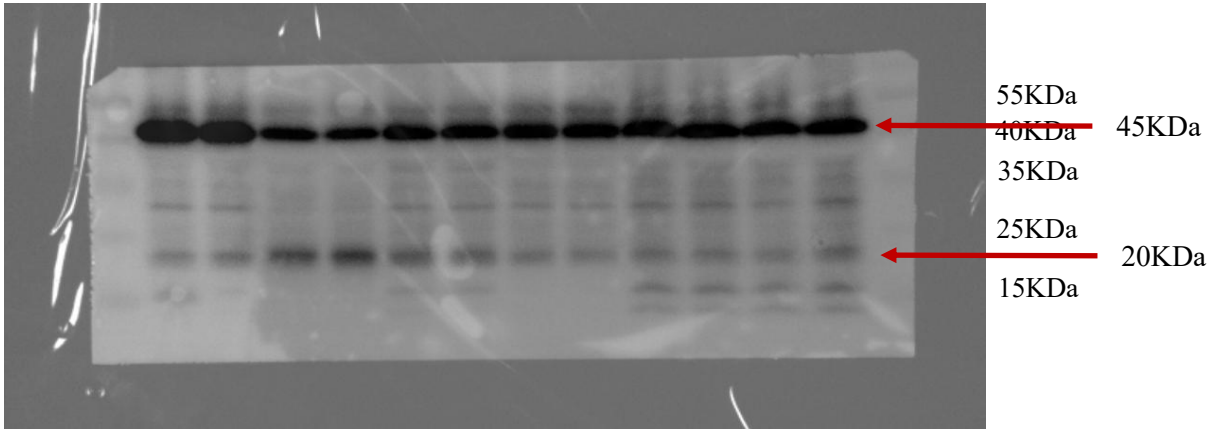
ASC

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



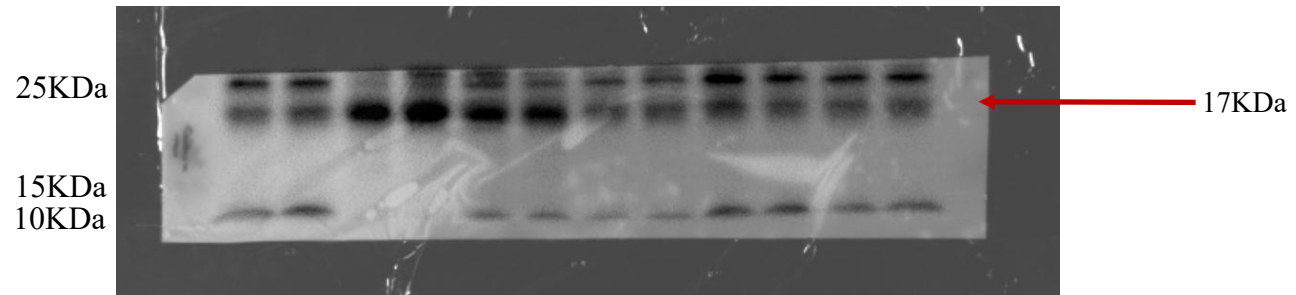
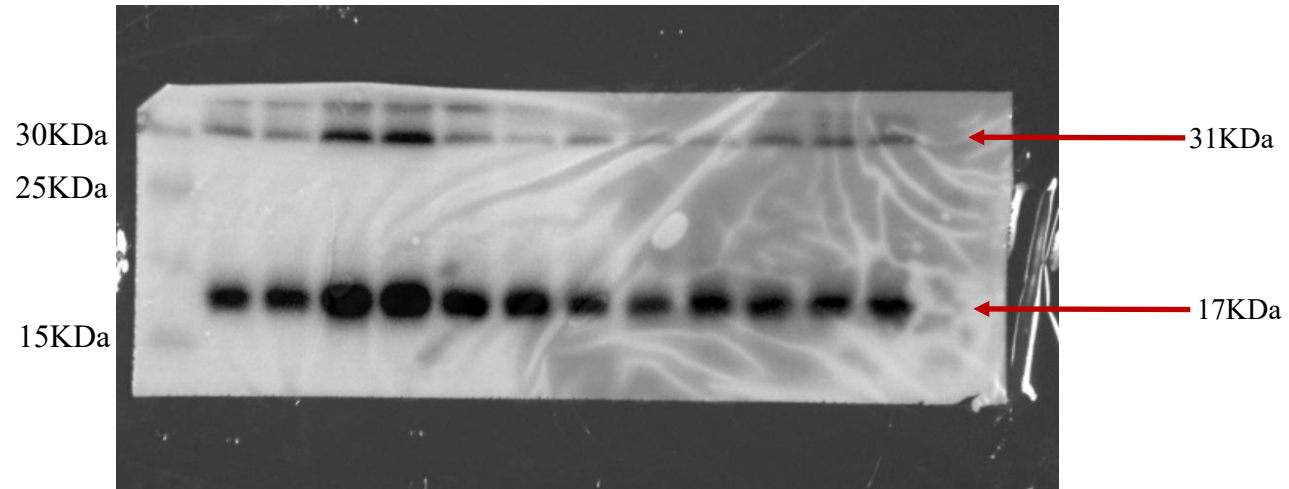
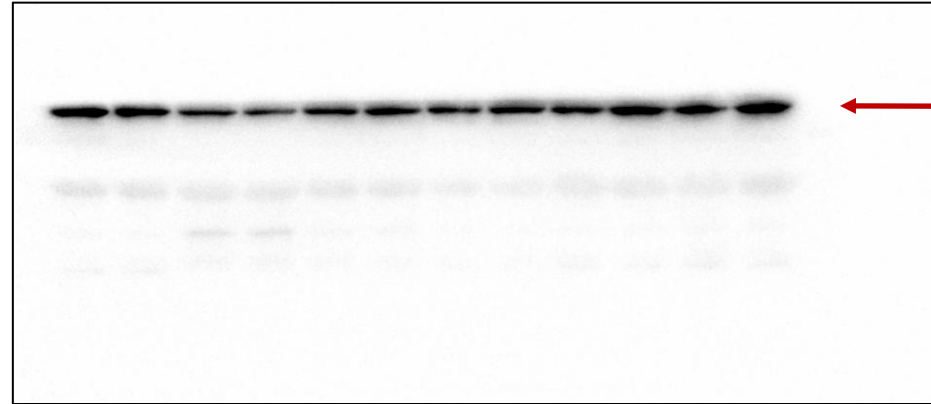
Caspase-1

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



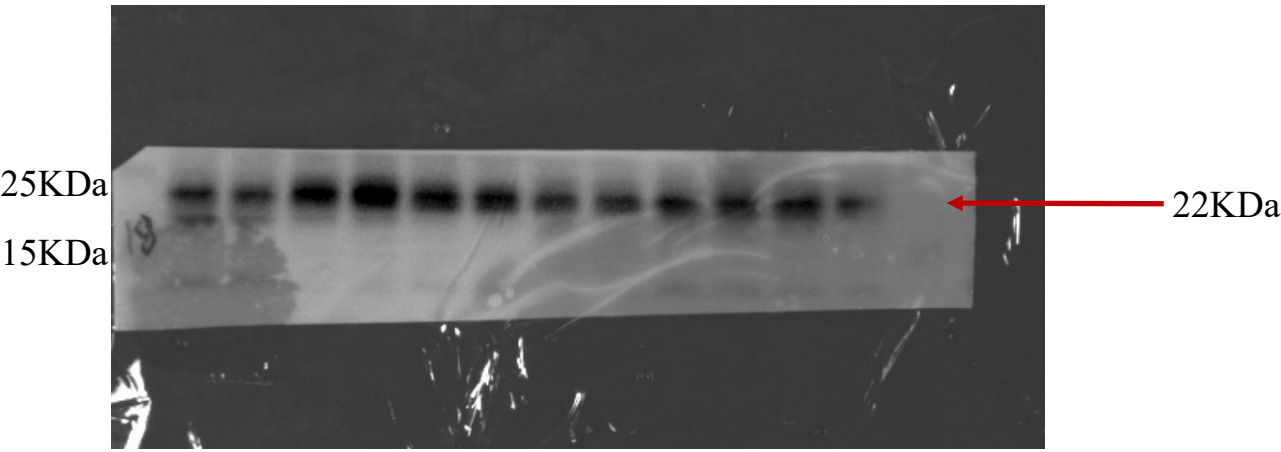
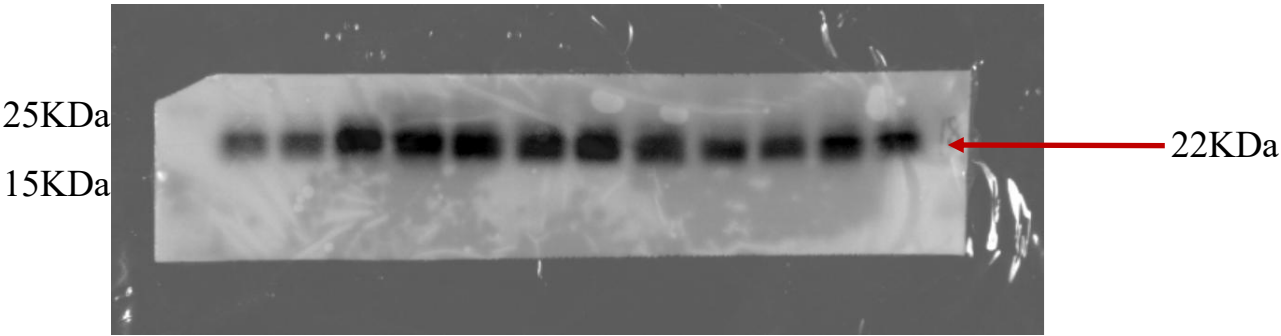
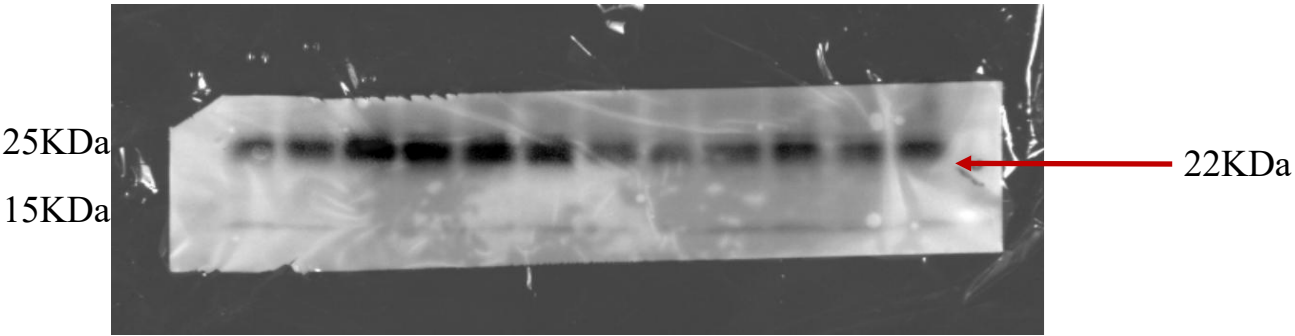
IL-1 β

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



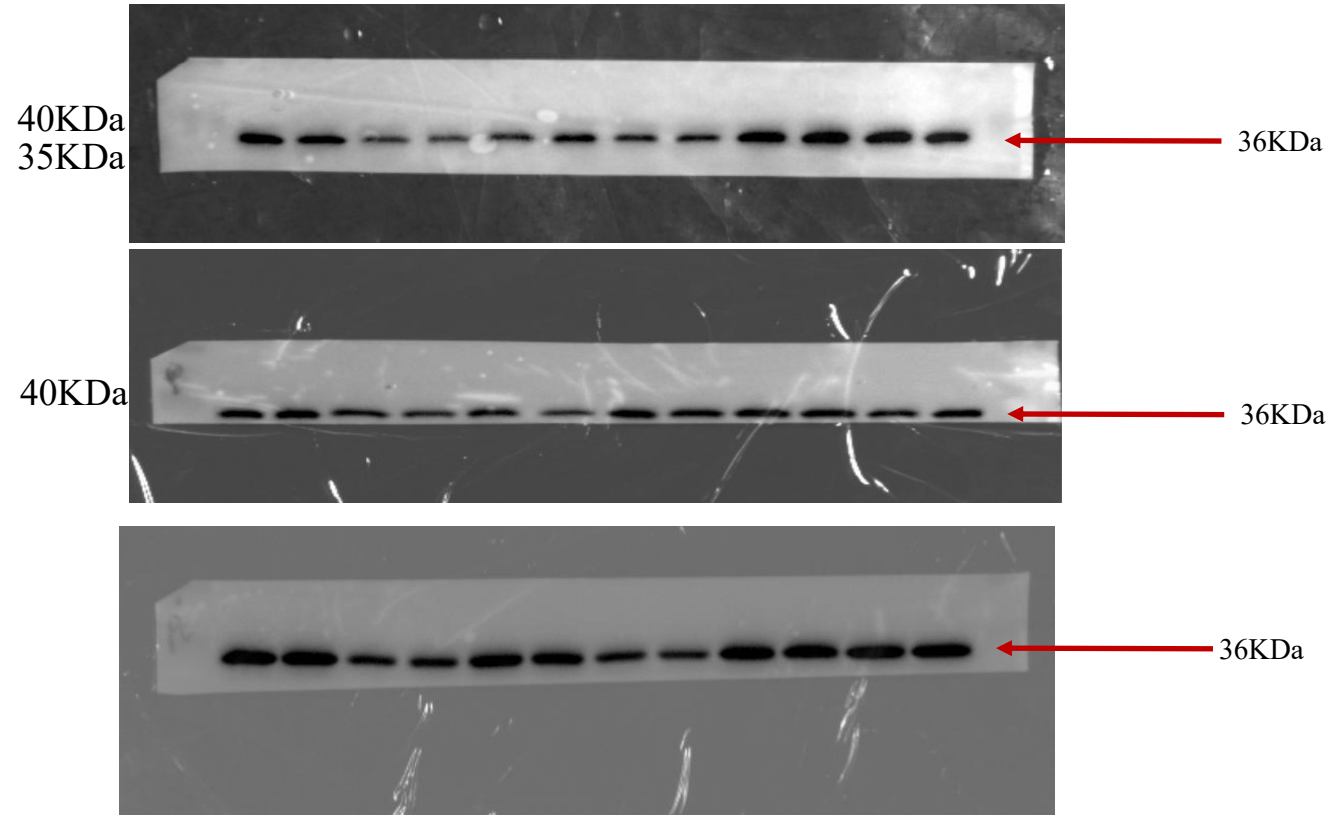
IL-18

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



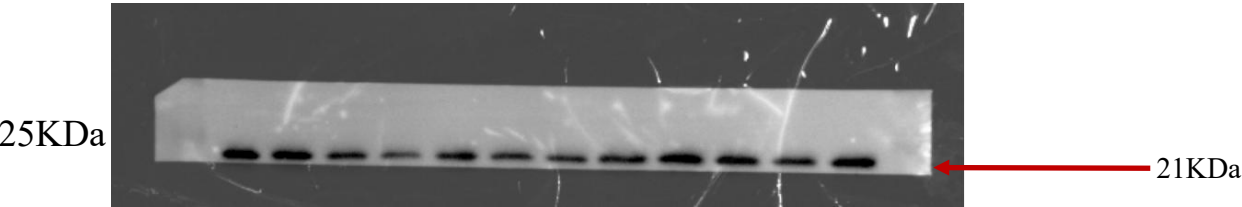
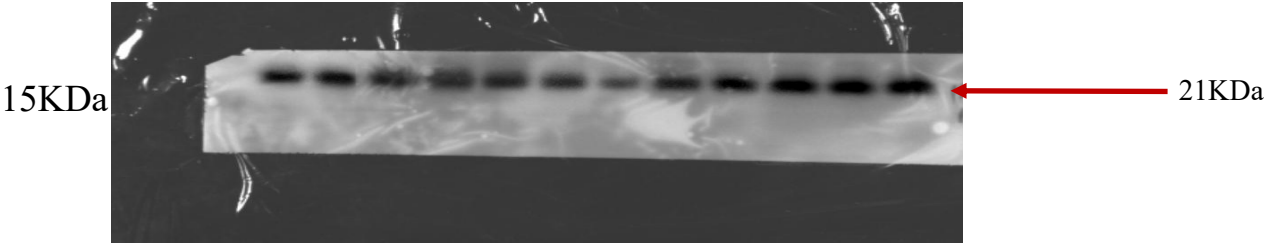
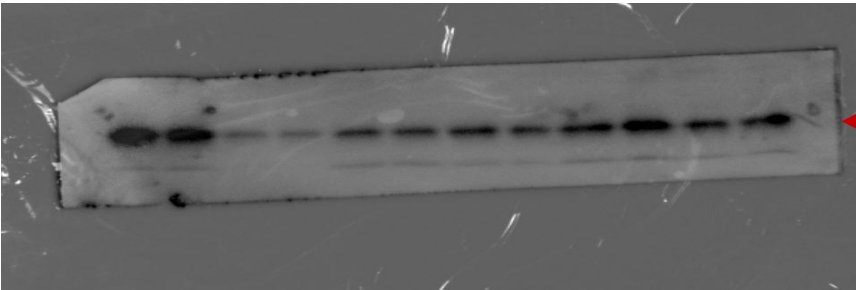
PCNA

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



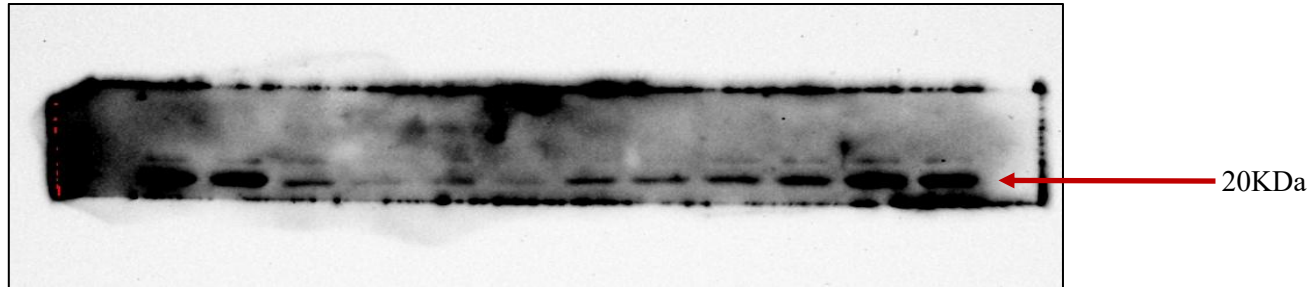
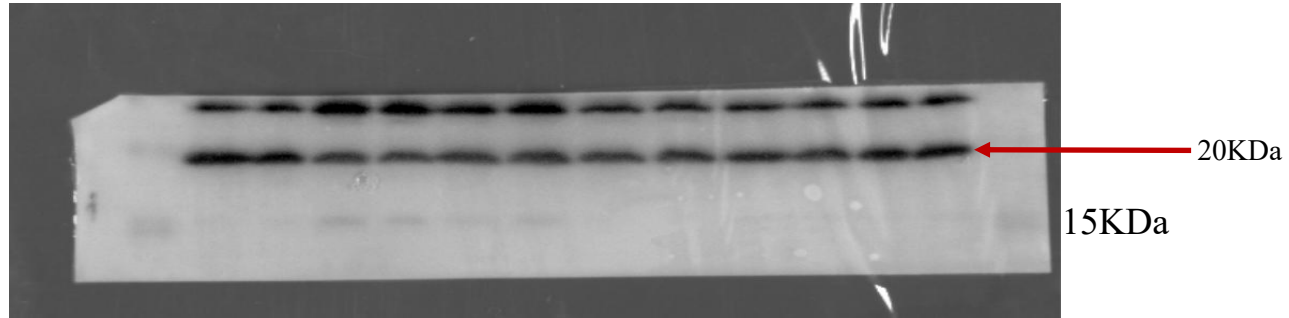
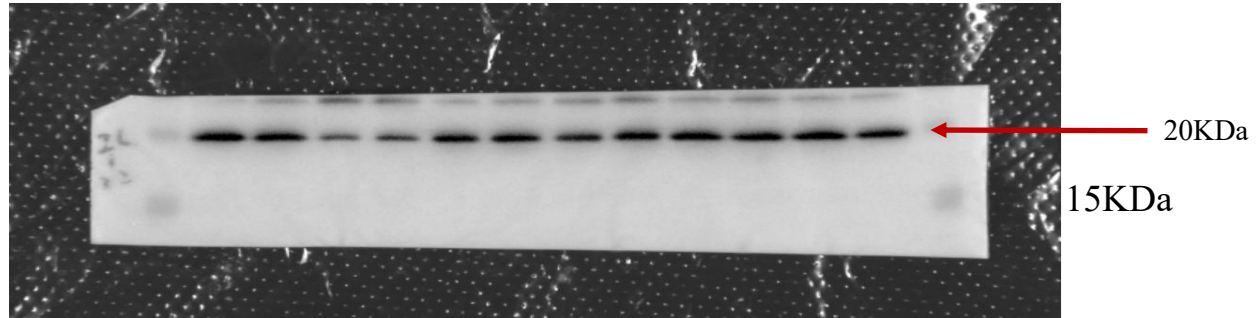
IL-10

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



IL-22

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15



GAPDH

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15

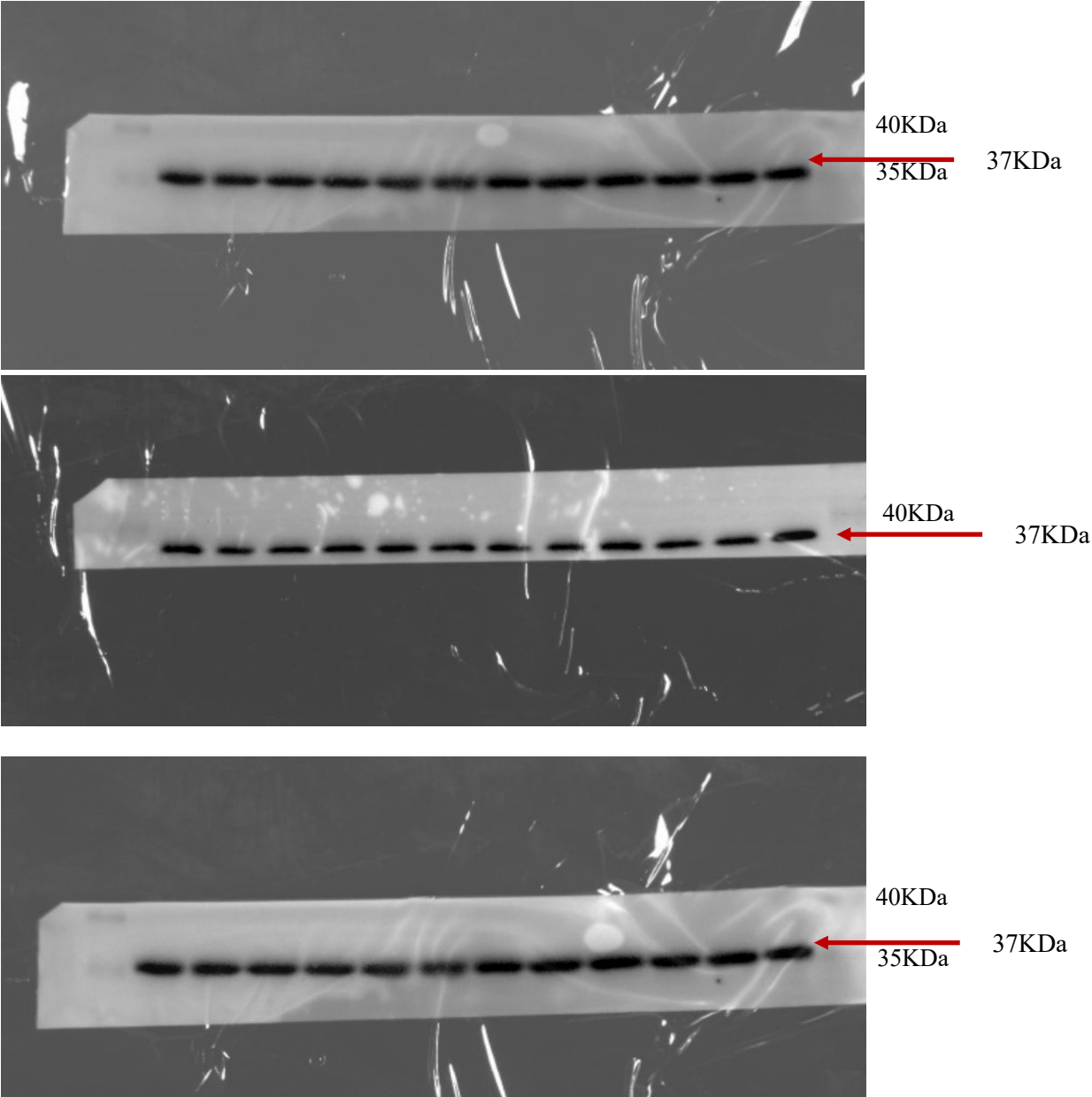


Fig.3 D

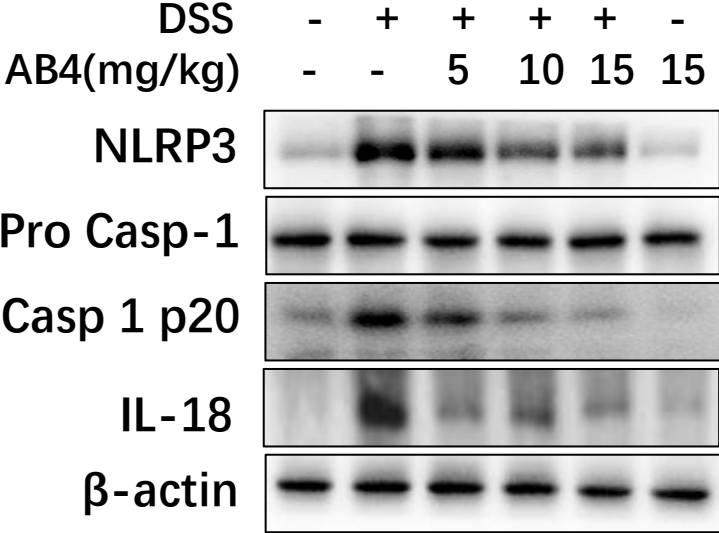
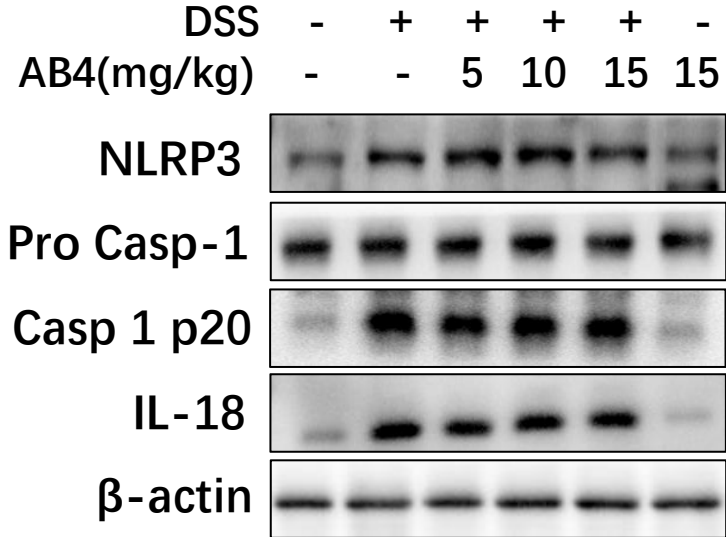


Fig.3 E

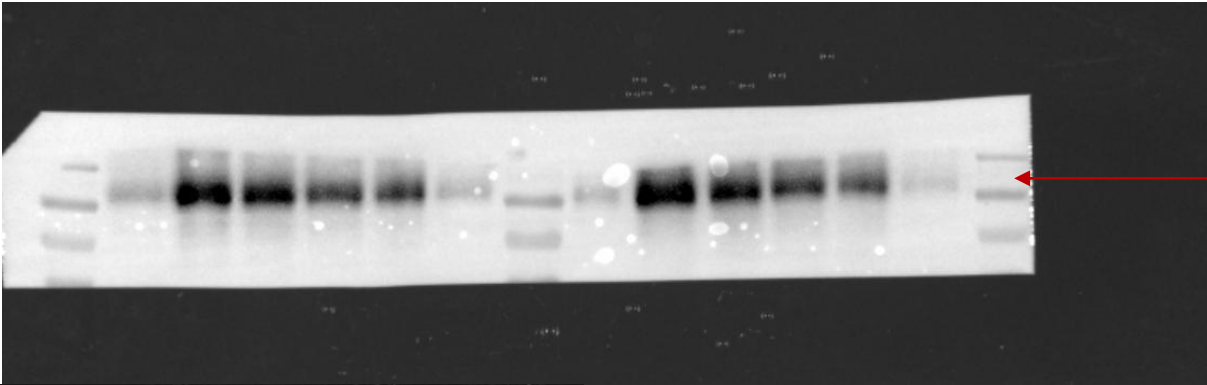


colonic macrophages

NLRP3

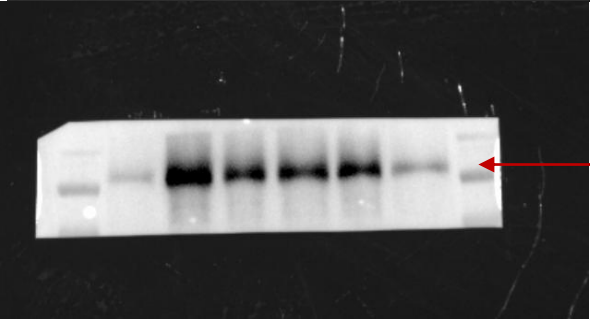
DSS	-	+	+	+	+	-	-	+	+	+	+	-
AB4(mg/kg)	-	-	5	10	15	15	-	-	5	10	15	15

130KDa
100KDa
70KDa



118KDa

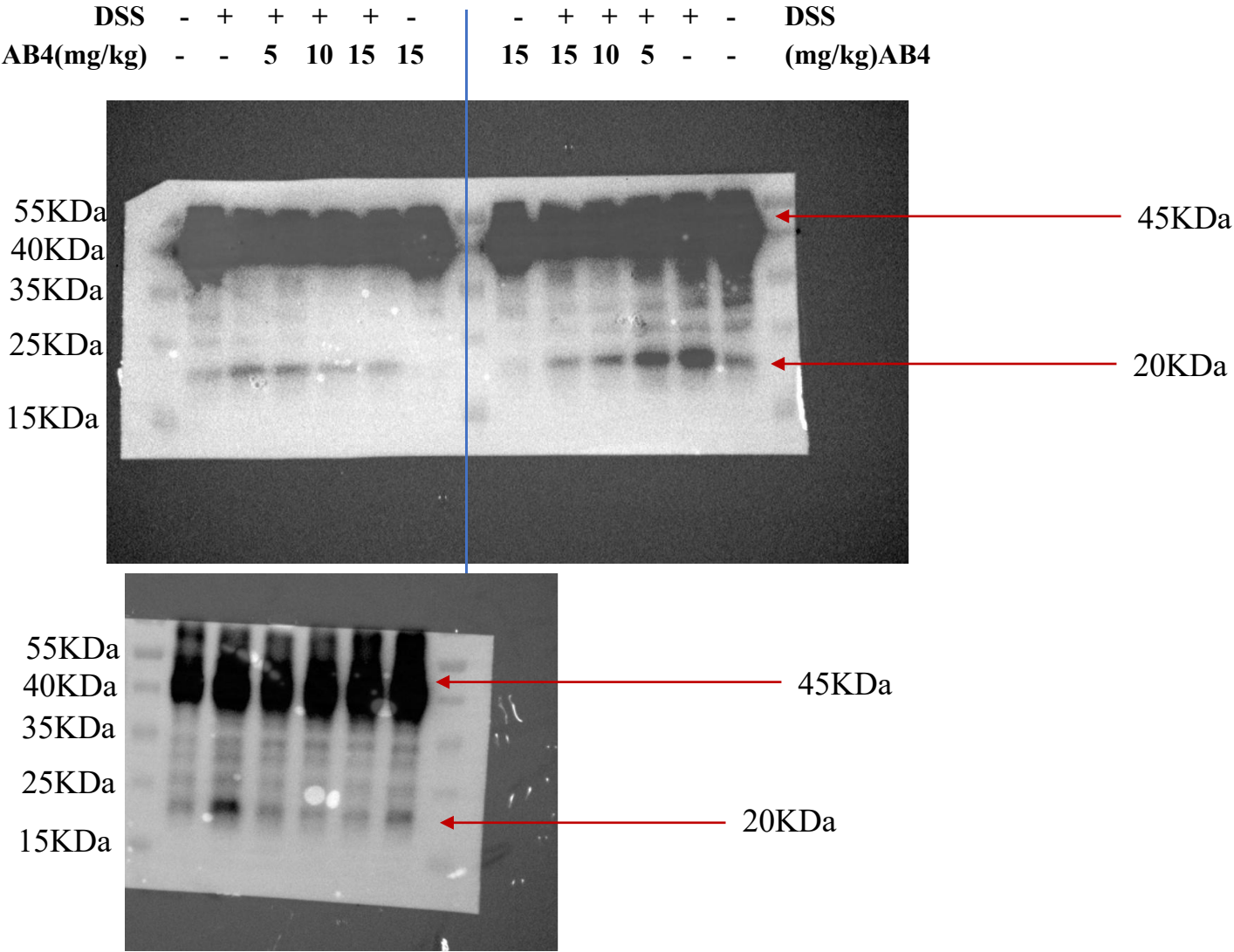
130KDa
100KDa
70KDa



118KDa

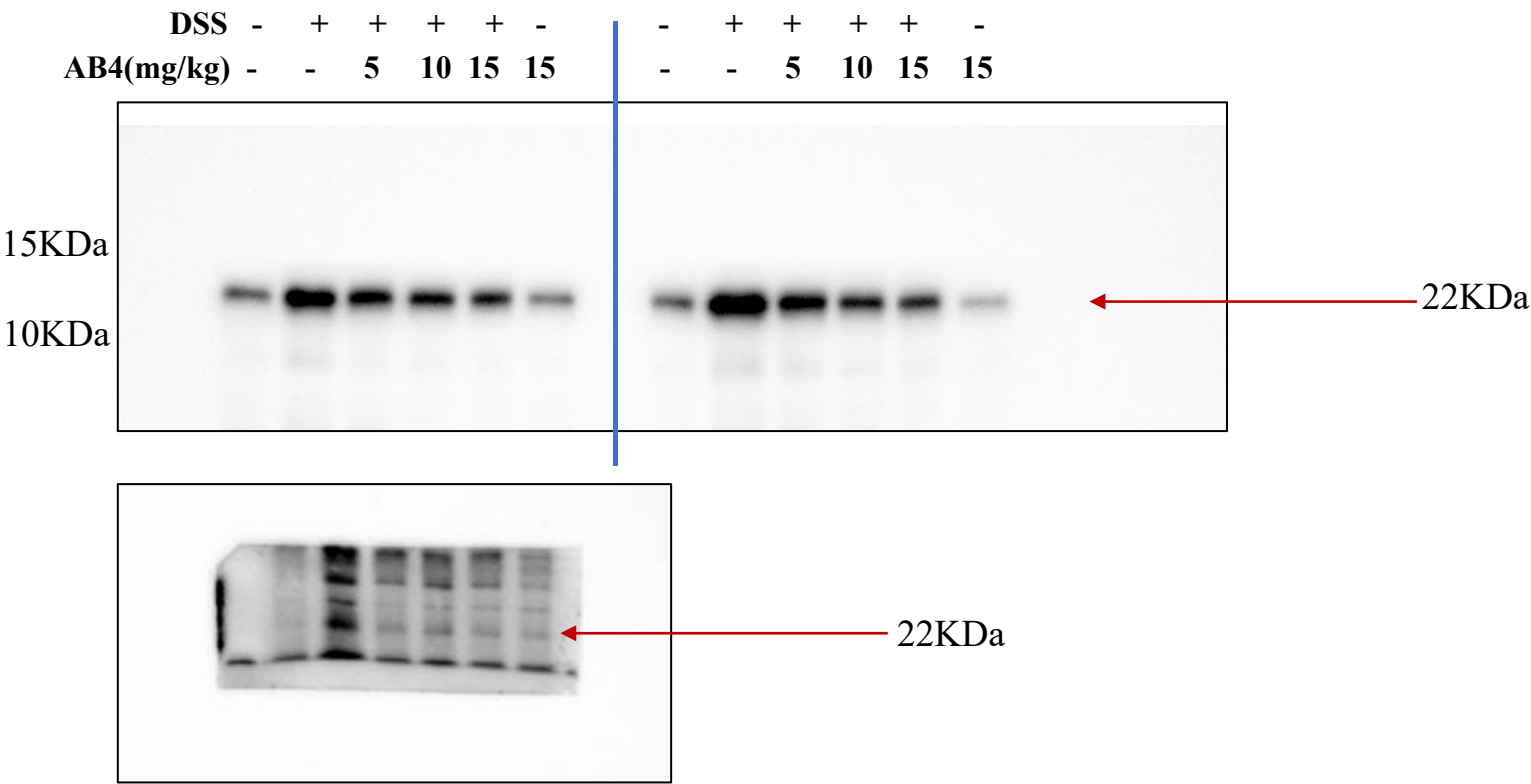
Caspase-1

colonic macrophages



IL-18

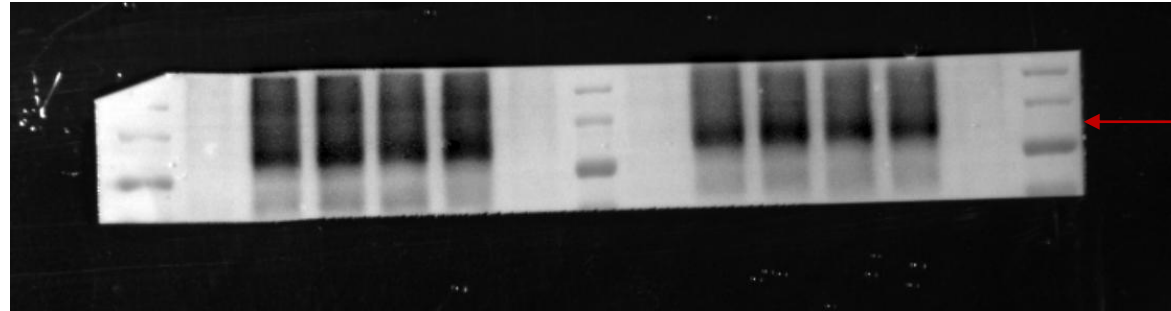
colonic macrophages



NLRP3

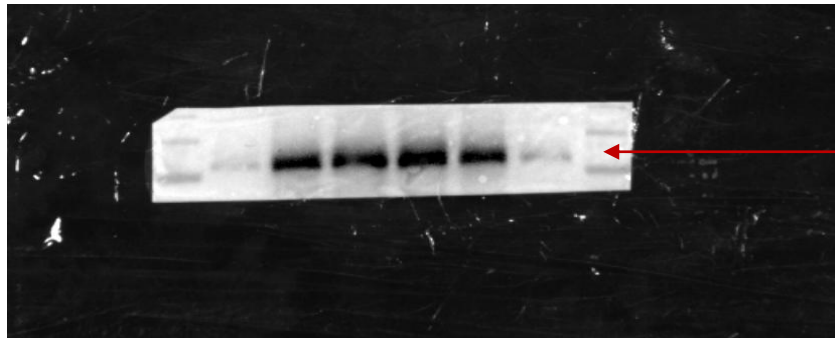
intestine epithelial cells

DSS	-	+	+	+	+	-	-	+	+	+	+	-
AB4(mg/kg)	-	-	5	10	15	15	-	-	5	10	15	15



180KDa
130KDa
100KDa
70KDa

118KDa



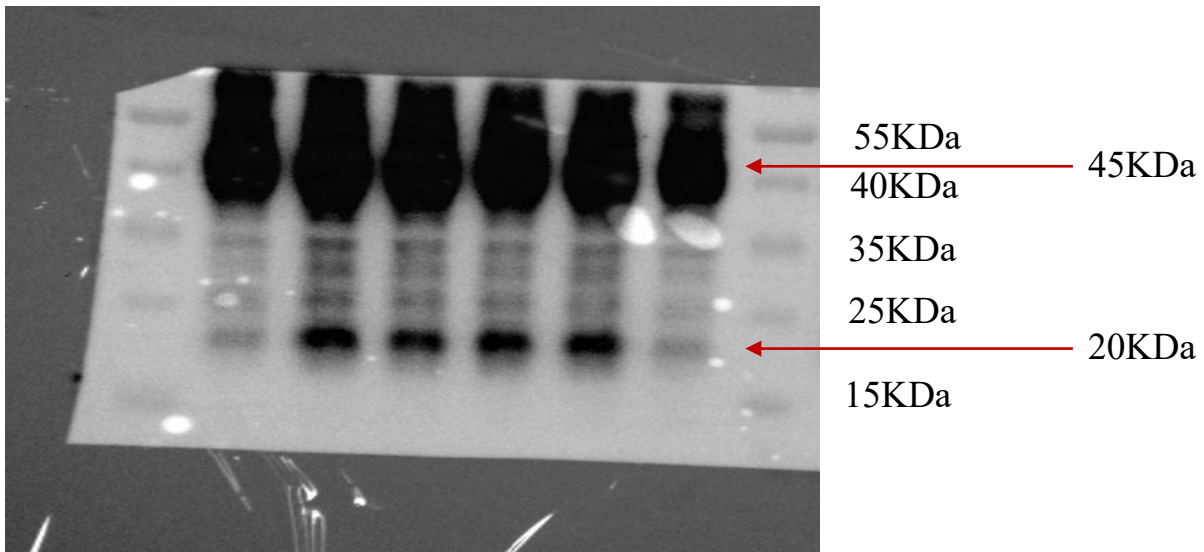
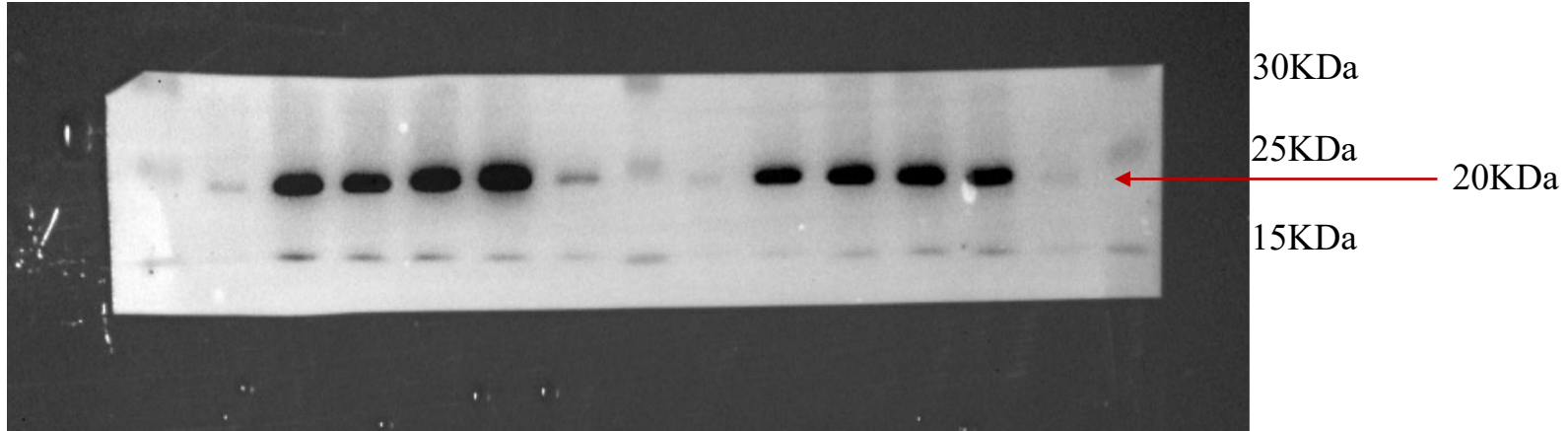
130KDa
100KDa

118KDa

Caspase-1

intestine epithelial cells

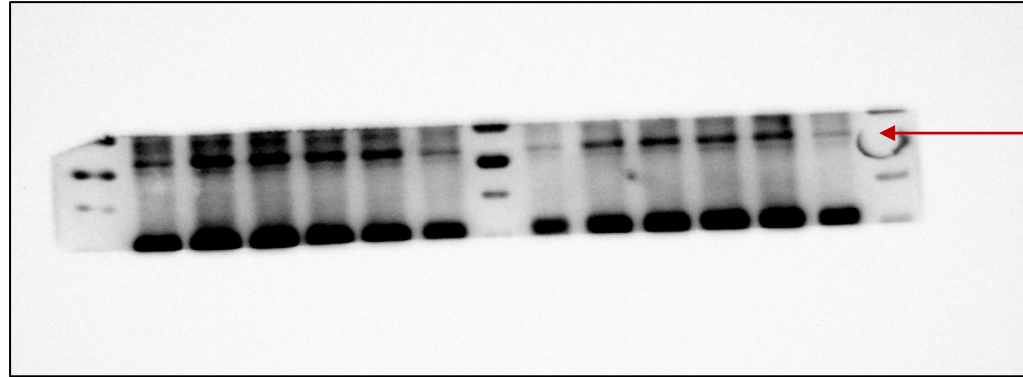
DSS	-	+	+	+	+	-	-	+	+	+	+	-
AB4(mg/kg)	-	-	5	10	15	15	-	-	5	10	15	15



IL-18

intestine epithelial cells

DSS	-	+	+	+	+	-	-	+	+	+	+	-
AB4(mg/kg)	-	-	5	10	15	15	-	-	5	10	15	15

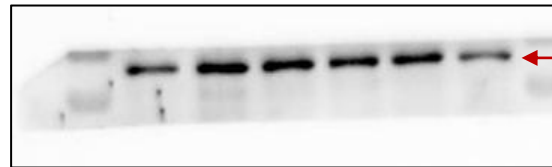


25KDa

22KDa

15KDa

10KDa



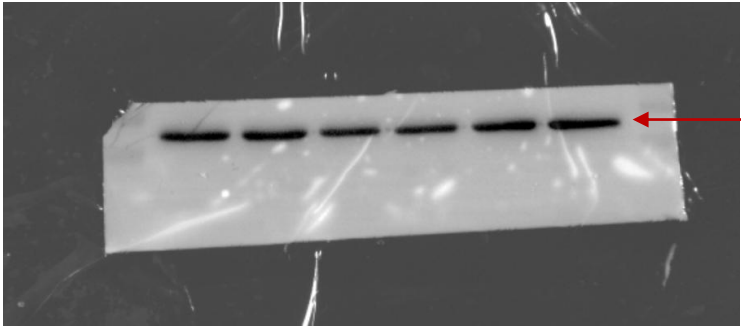
25KDa

22KDa

15KDa

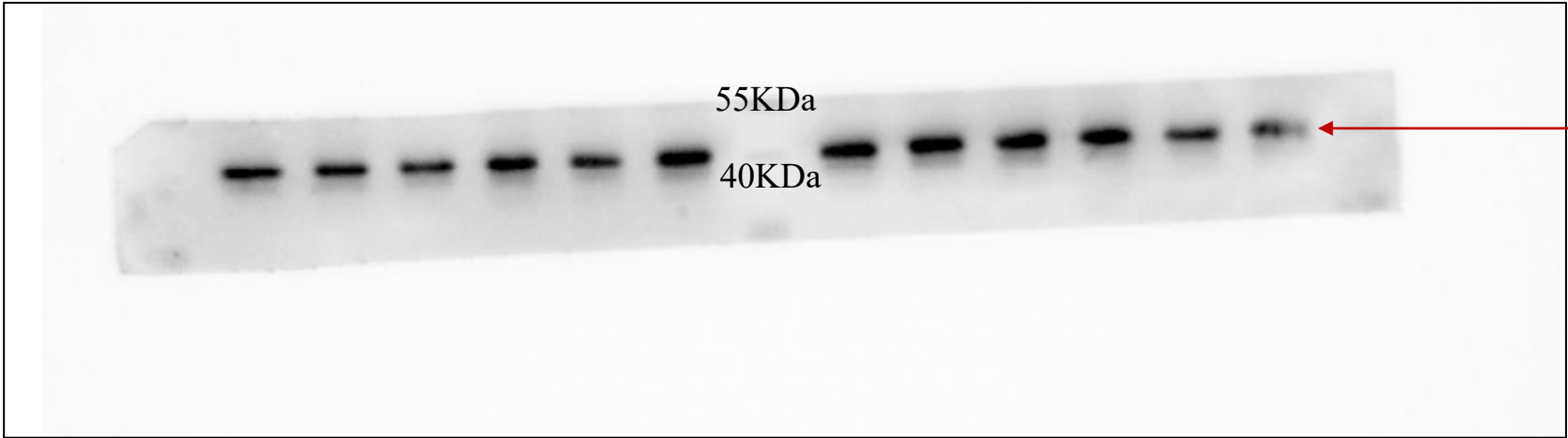
β-actin

DSS	-	+	+	+	+	-
AB4(mg/kg)	-	-	5	10	15	15



55KDa
40KDa

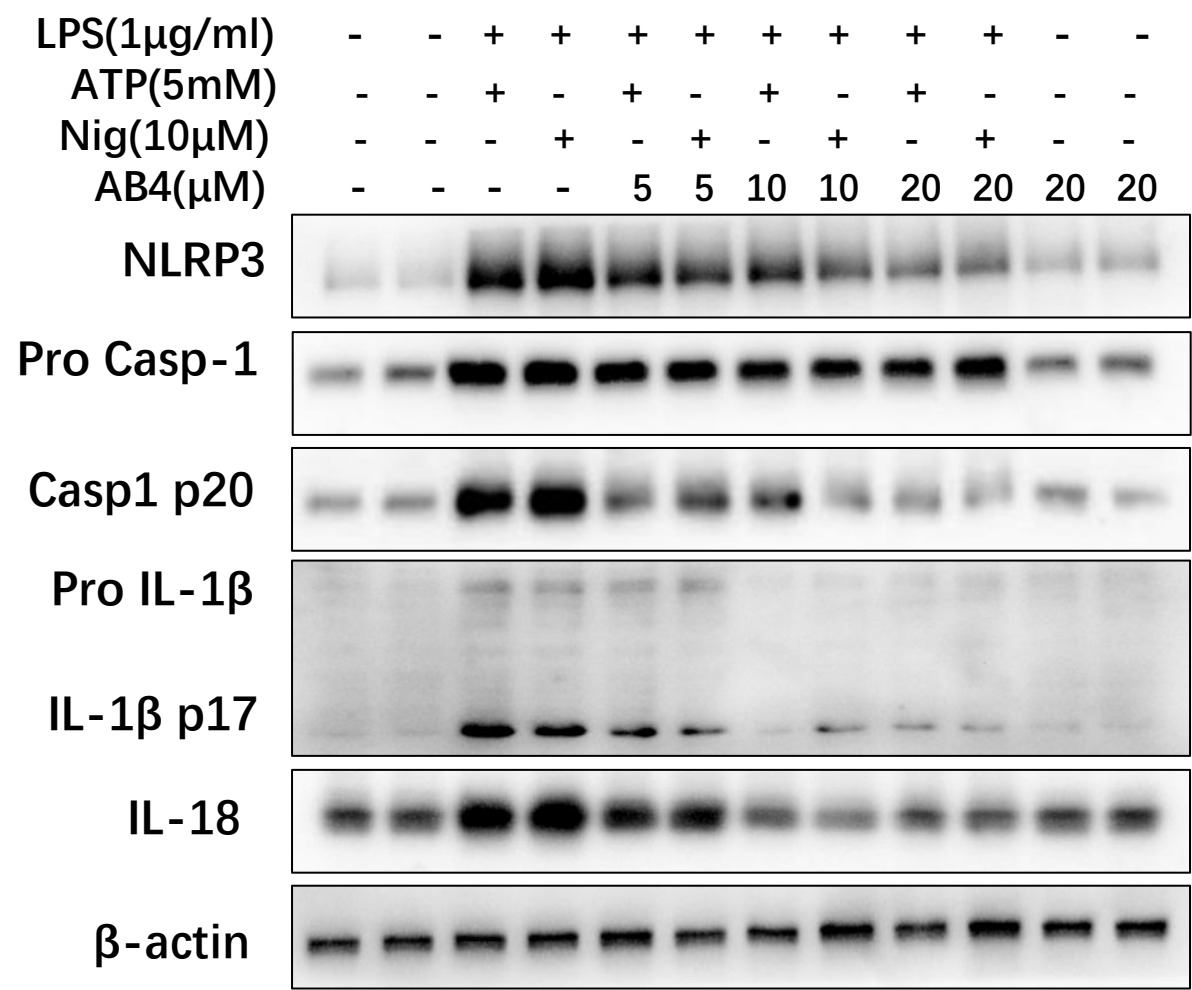
← 42KDa



55KDa
40KDa

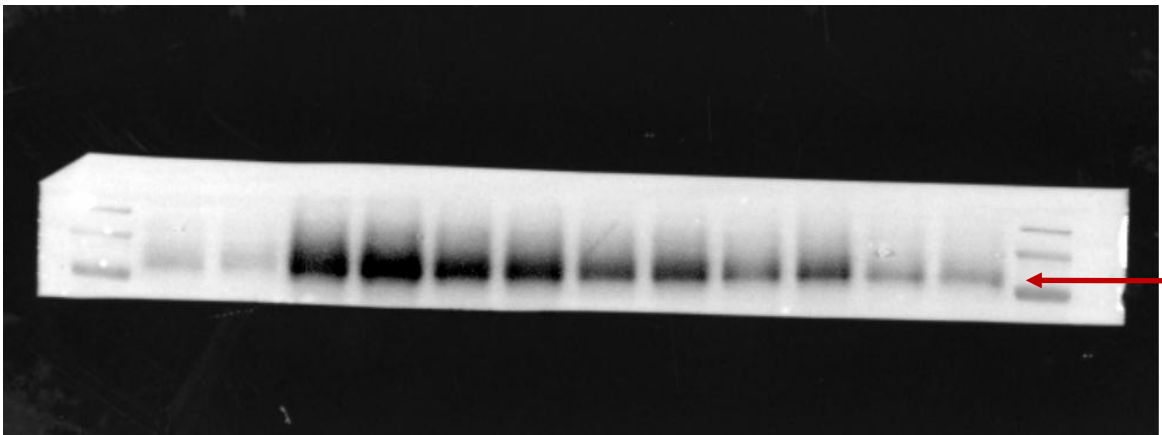
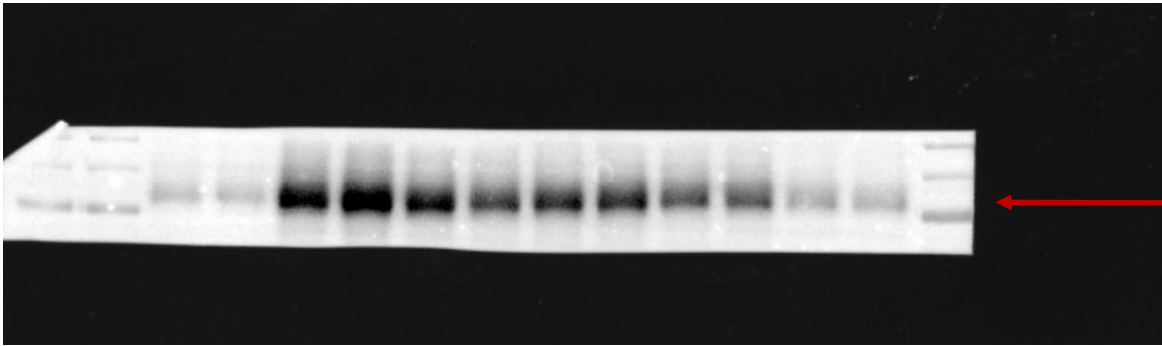
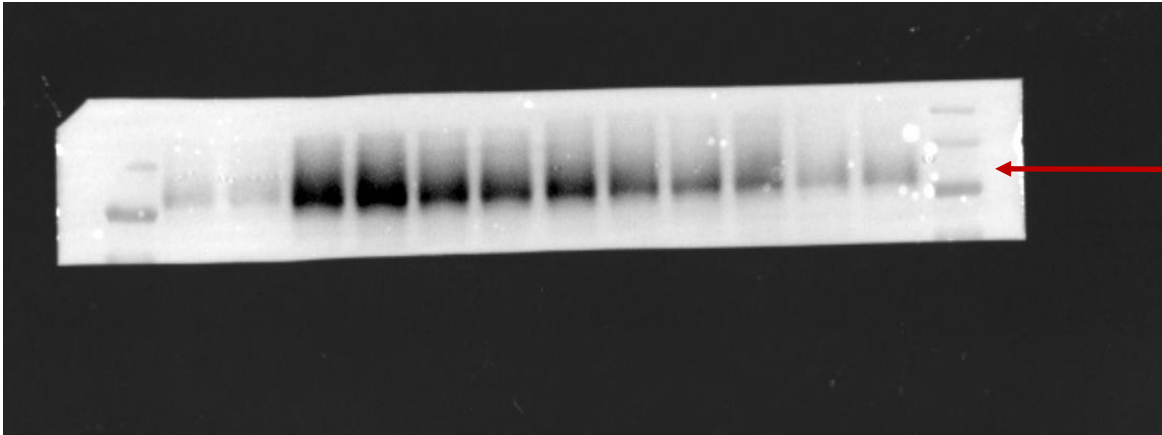
← 42KDa

Fig.5



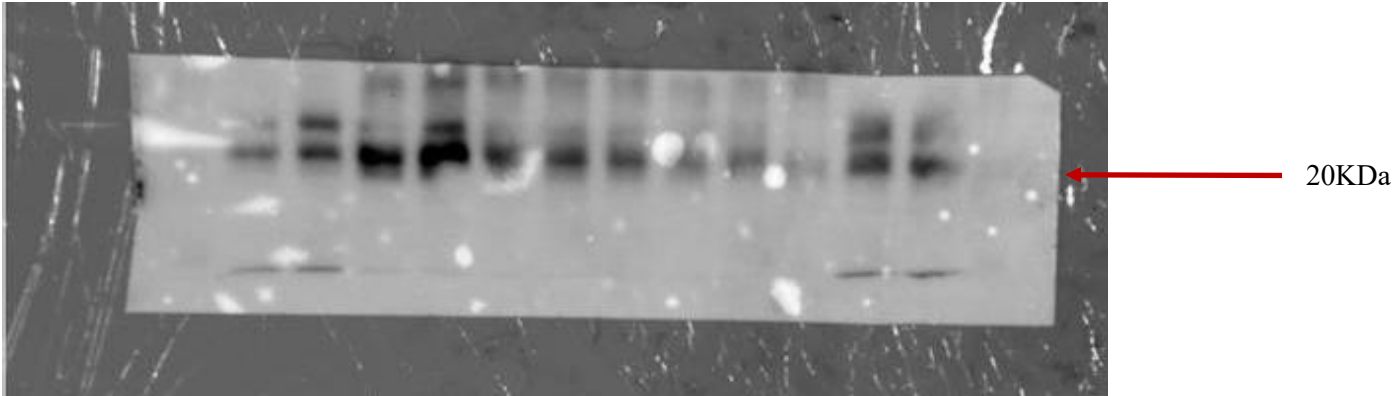
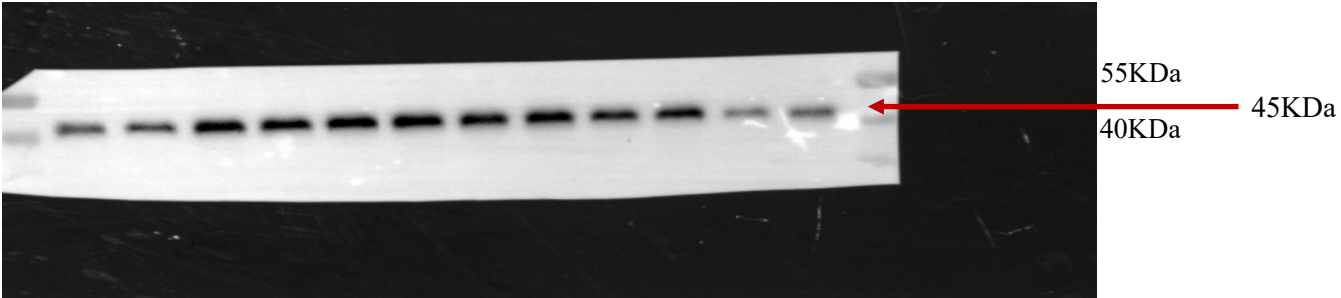
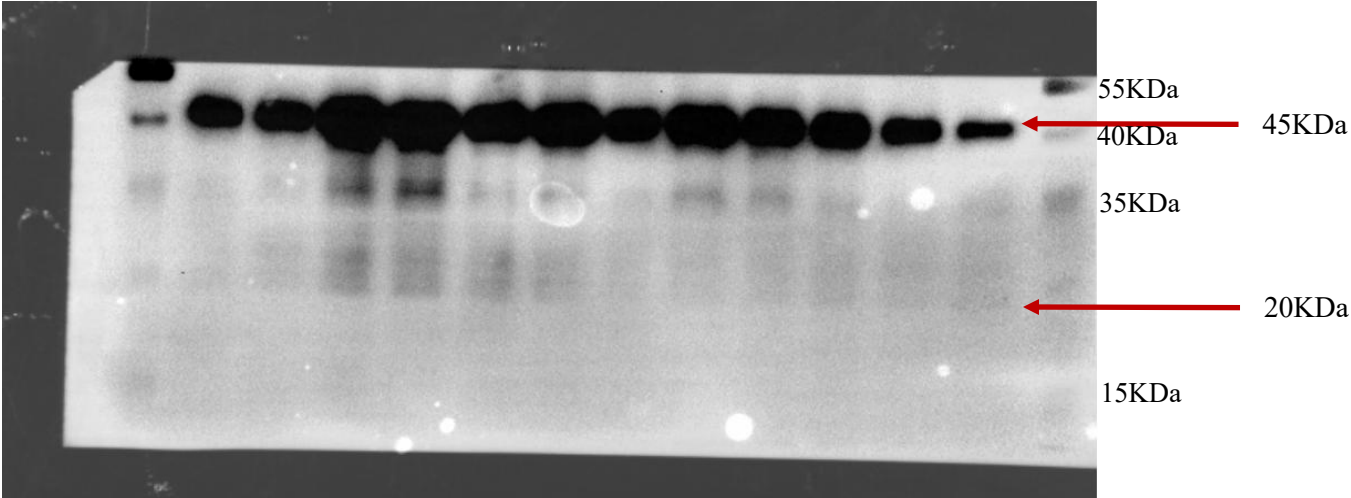
NLRP3

LPS(1μg/ml)	-	-	+	+	+	+	+	+	+	+	-	-
ATP(5mM)	-	-	+	-	+	-	+	-	+	-	-	-
Nig(10μM)	-	-	-	+	-	+	-	+	-	+	-	-
AB4(μM)	-	-	-	-	5	5	10	10	20	20	20	20



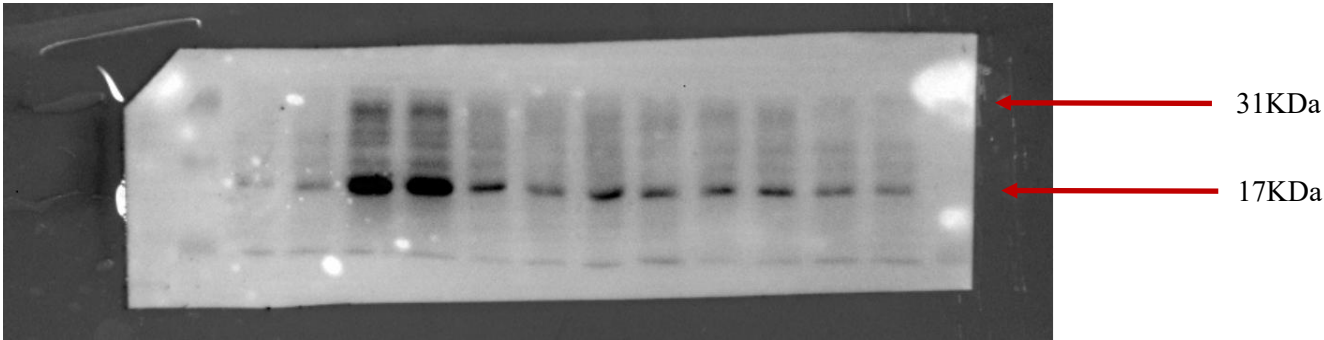
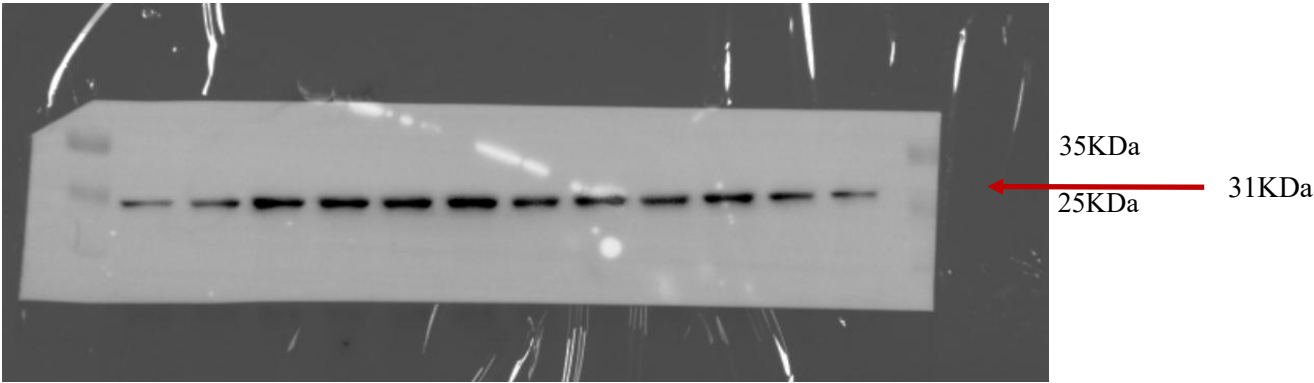
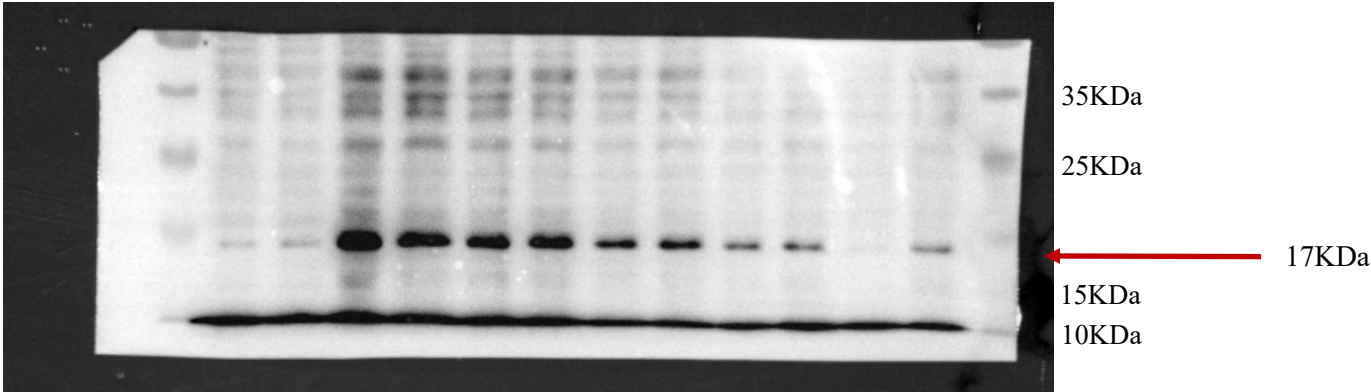
Caspase-1

LPS(1μg/ml)	-	-	+	+	+	+	+	+	+	+	-	-
ATP(5mM)	-	-	+	-	+	-	+	-	+	-	-	-
Nig(10μM)	-	-	-	+	-	+	-	+	-	+	-	-
AB4(μM)	-	-	-	-	5	5	10	10	20	20	20	20



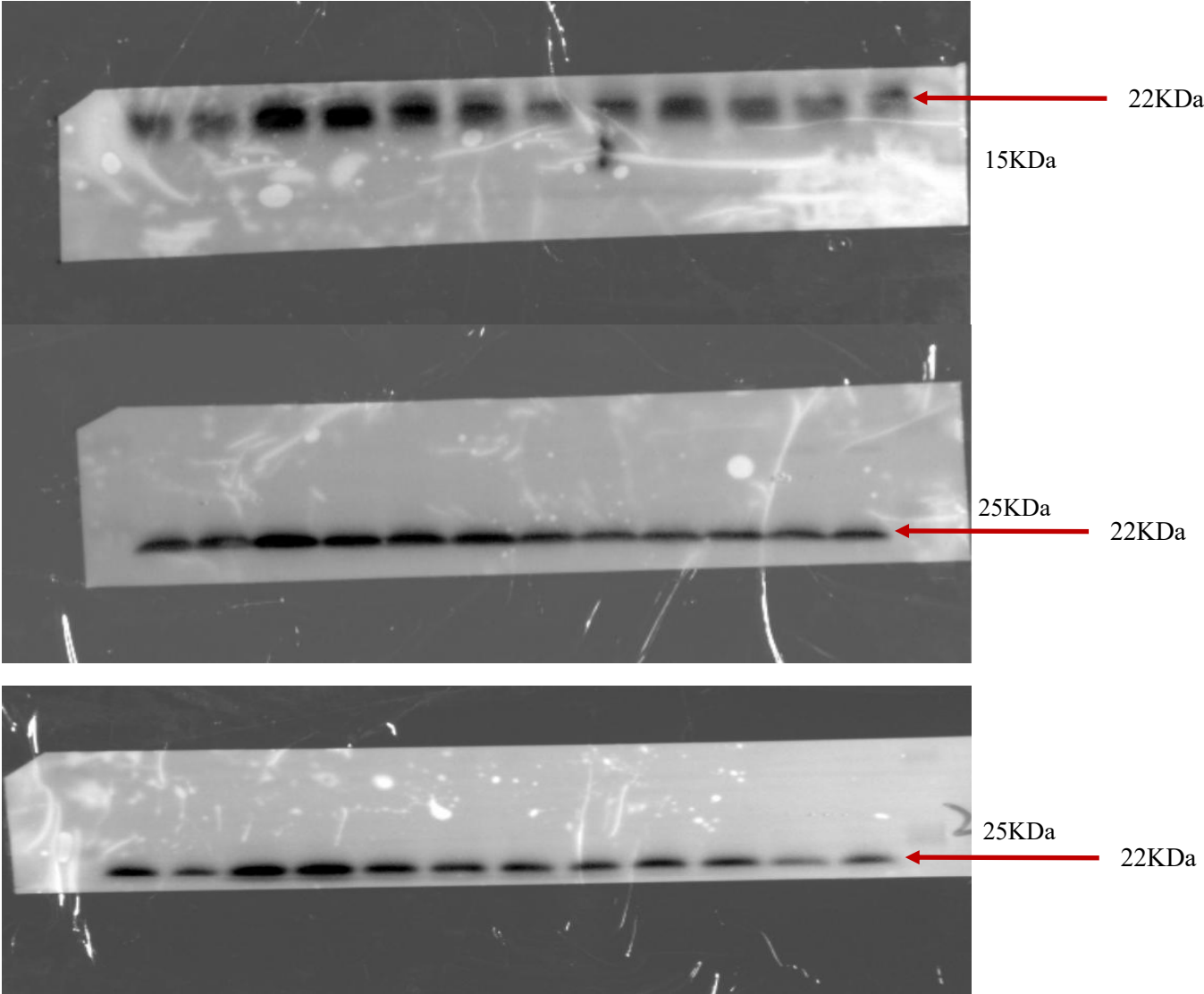
IL-1 β

LPS(1 μ g/ml)	-	-	+	+	+	+	+	+	+	+	-	-
ATP(5mM)	-	-	+	-	+	-	+	-	+	-	-	-
Nig(10 μ M)	-	-	-	+	-	+	-	+	-	+	-	-
AB4(μ M)	-	-	-	-	5	5	10	10	20	20	20	20



IL-18

LPS(1μg/ml)	-	-	+	+	+	+	+	+	+	+	-	-
ATP(5mM)	-	-	+	-	+	-	+	-	+	-	-	-
Nig(10μM)	-	-	-	+	-	+	-	+	-	+	-	-
AB4(μM)	-	-	-	-	5	5	10	10	20	20	20	20



β-actin

LPS(1μg/ml)	-	-	+	+	+	+	+	+	+	+	-	-
ATP(5mM)	-	-	+	-	+	-	+	-	+	-	-	-
Nig(10μM)	-	-	-	+	-	+	-	+	-	+	-	-
AB4(μM)	-	-	-	-	5	5	10	10	20	20	20	20

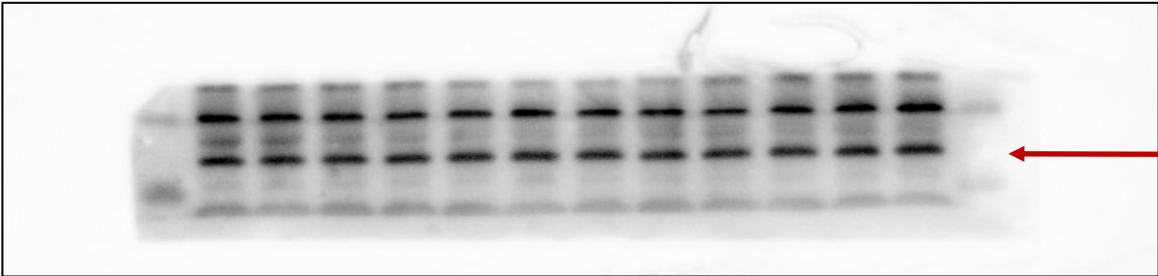
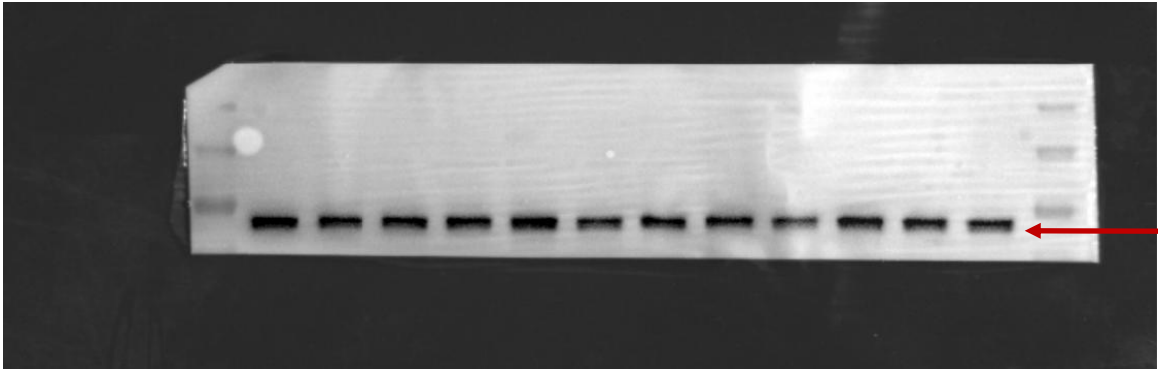
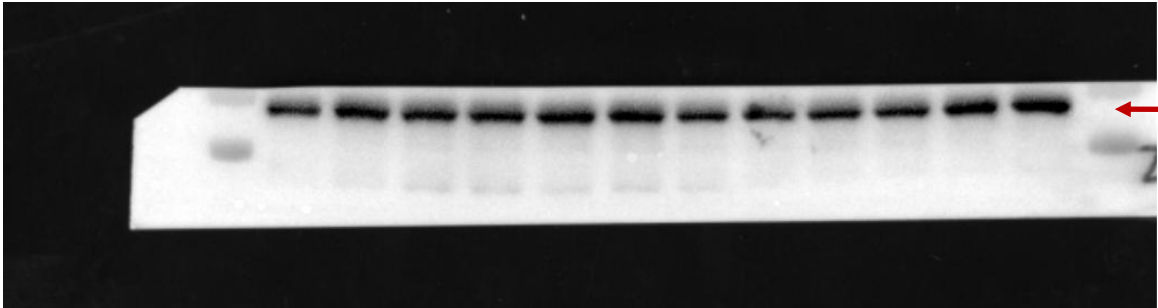
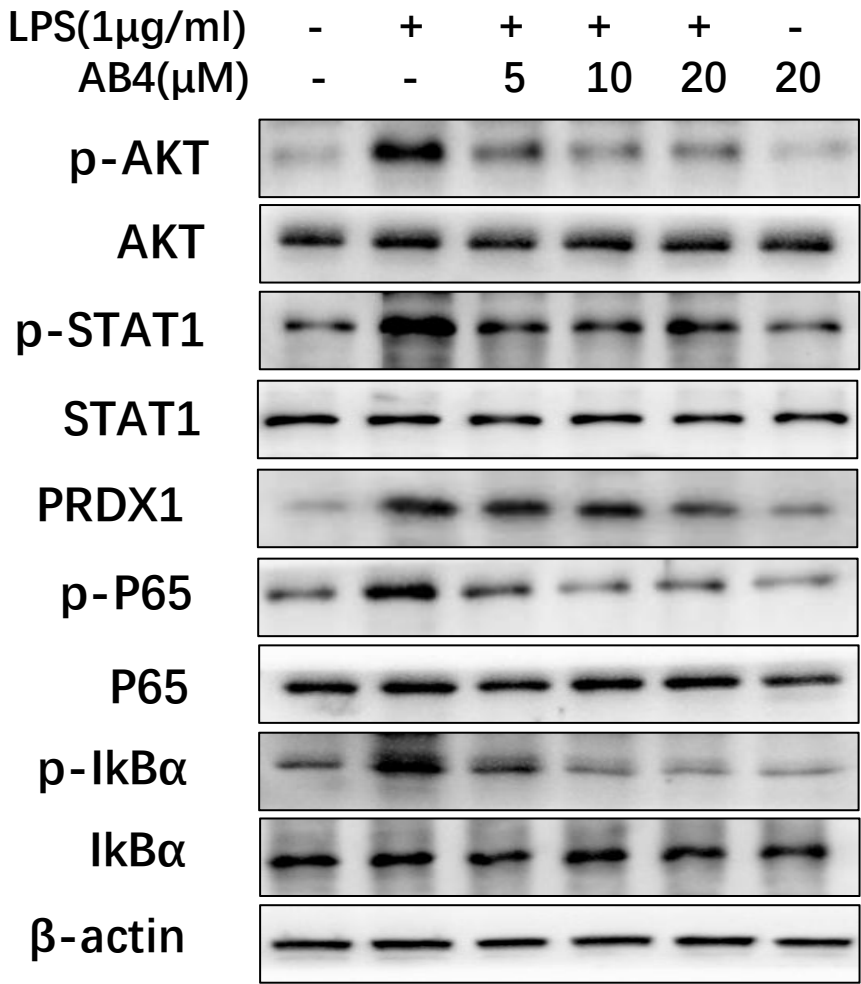
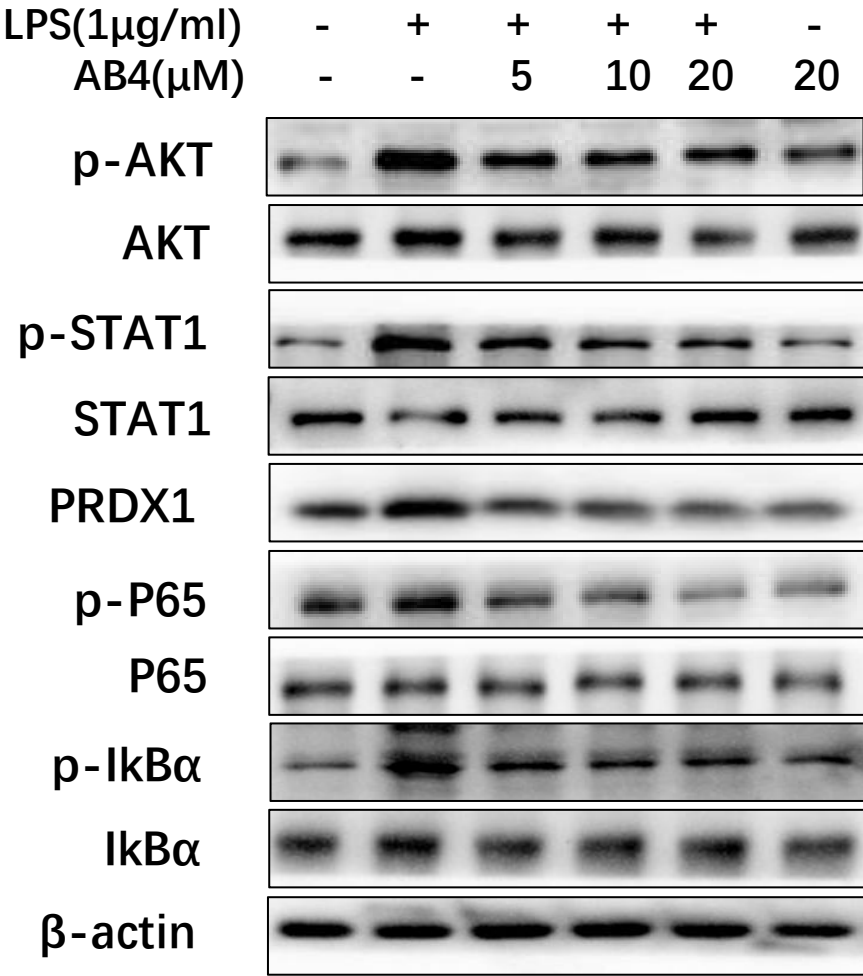


Fig.6

A

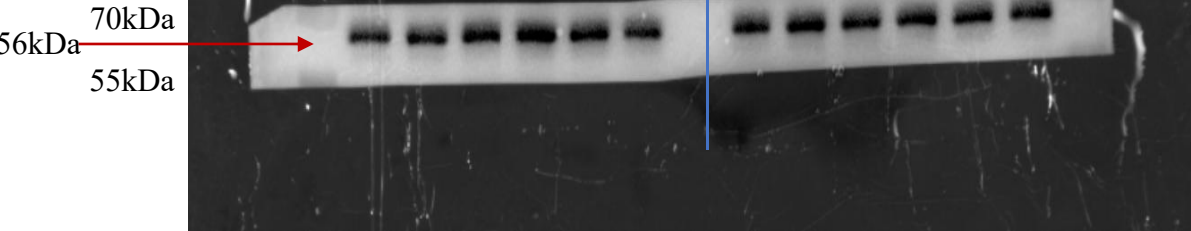


B



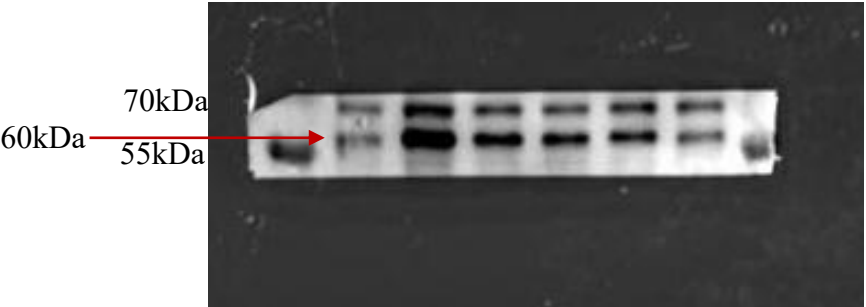
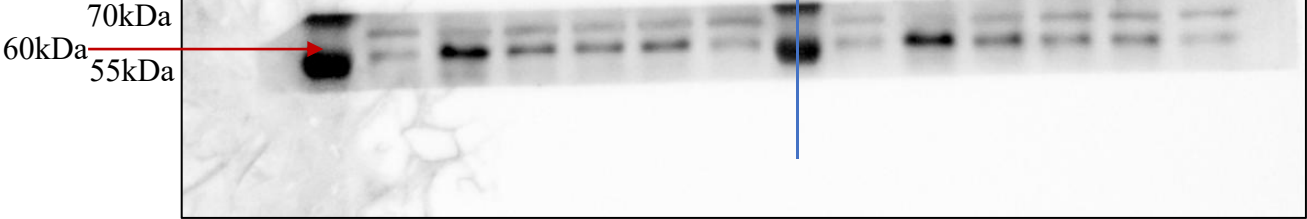
AKT

LPS(1μg/ml)	-	+	+	+	+	-
AB4(μM)	-	-	5	10	20	20

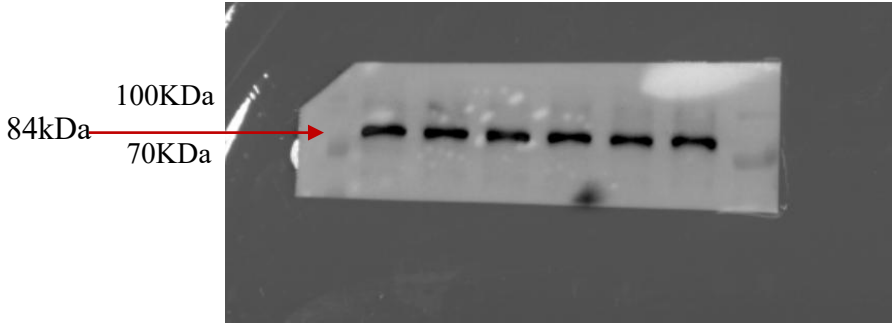
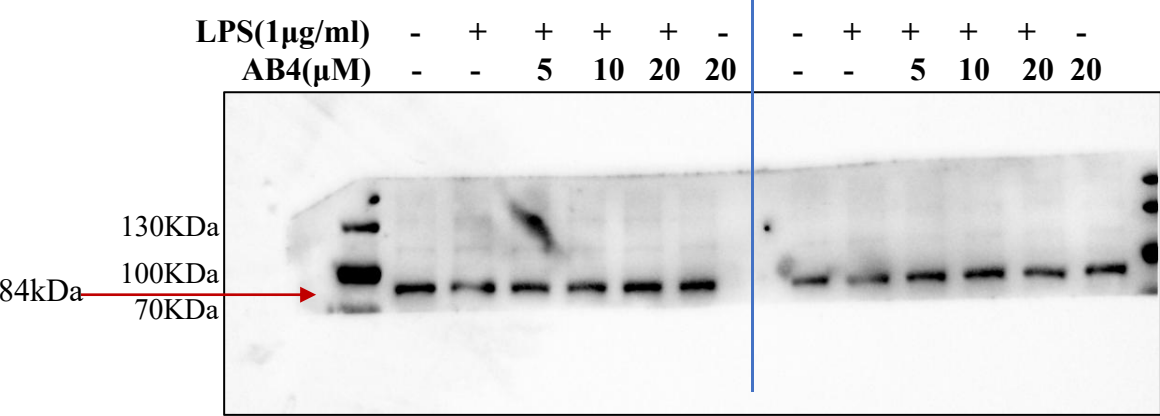


p-AKT

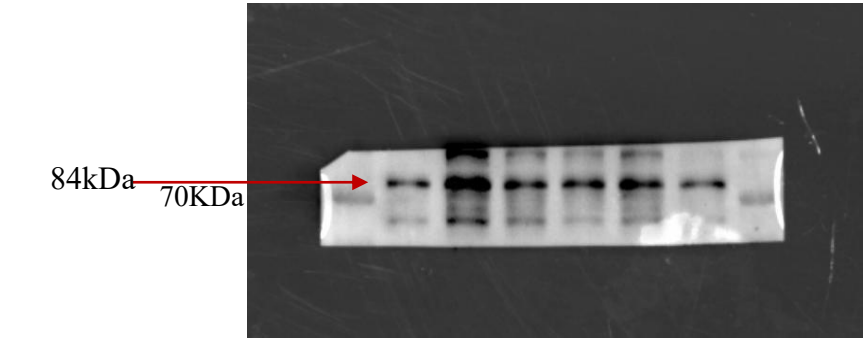
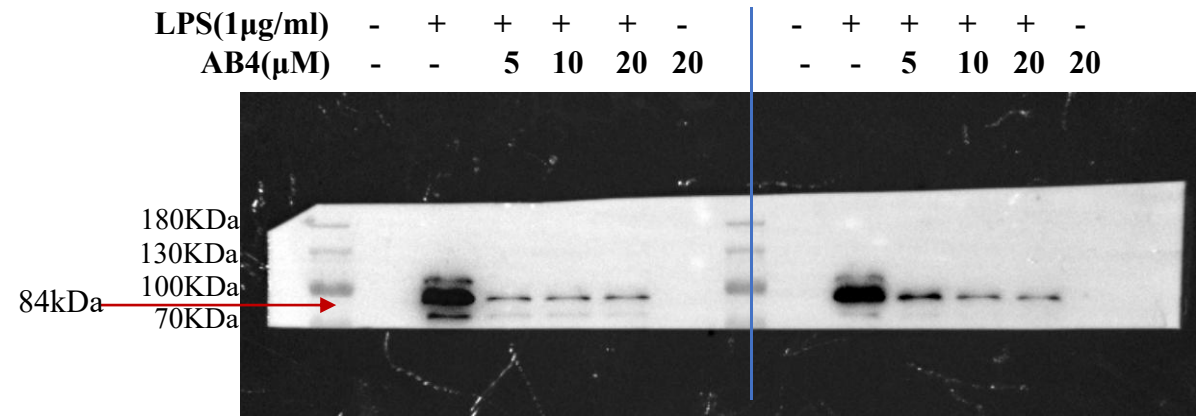
LPS(1μg/ml)	-	+	+	+	+	-
AB4(μM)	-	-	5	10	20	20



STAT1

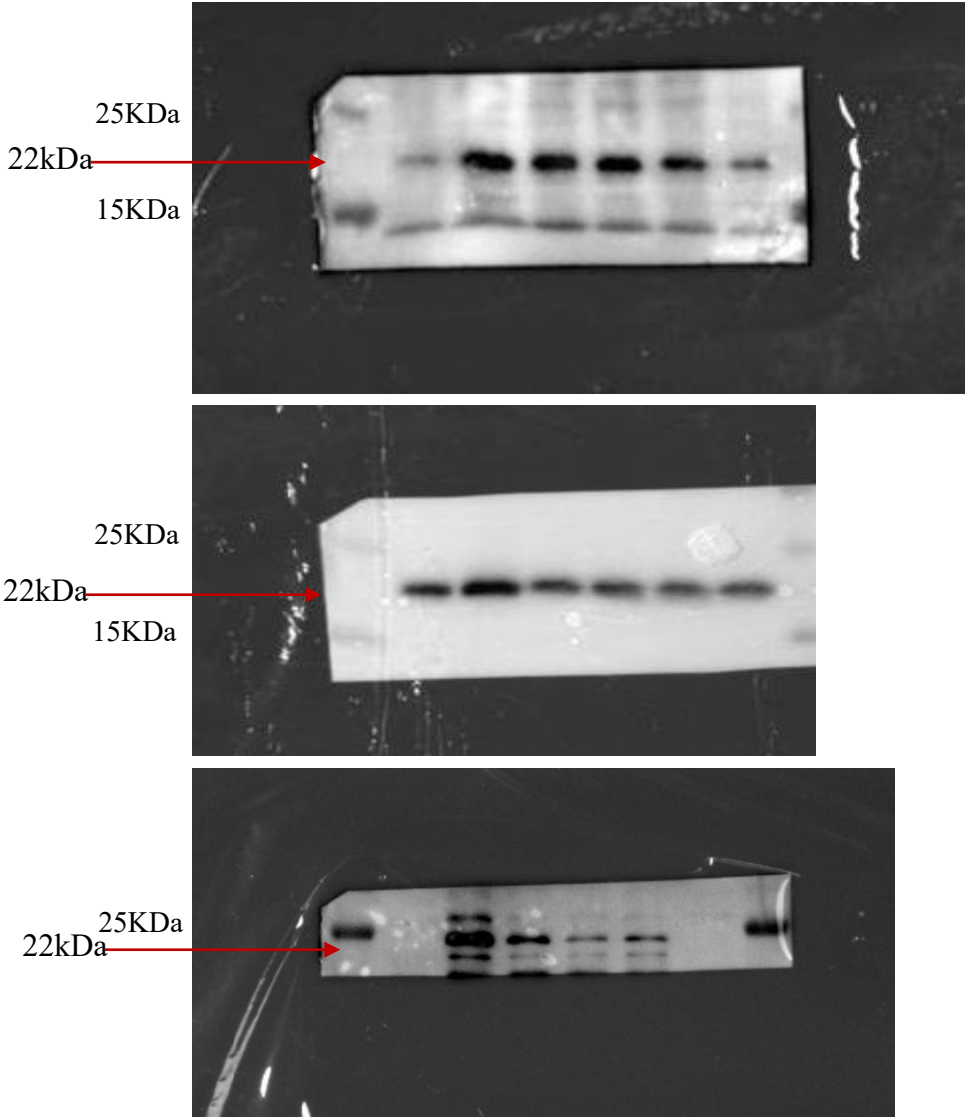


p-STAT1



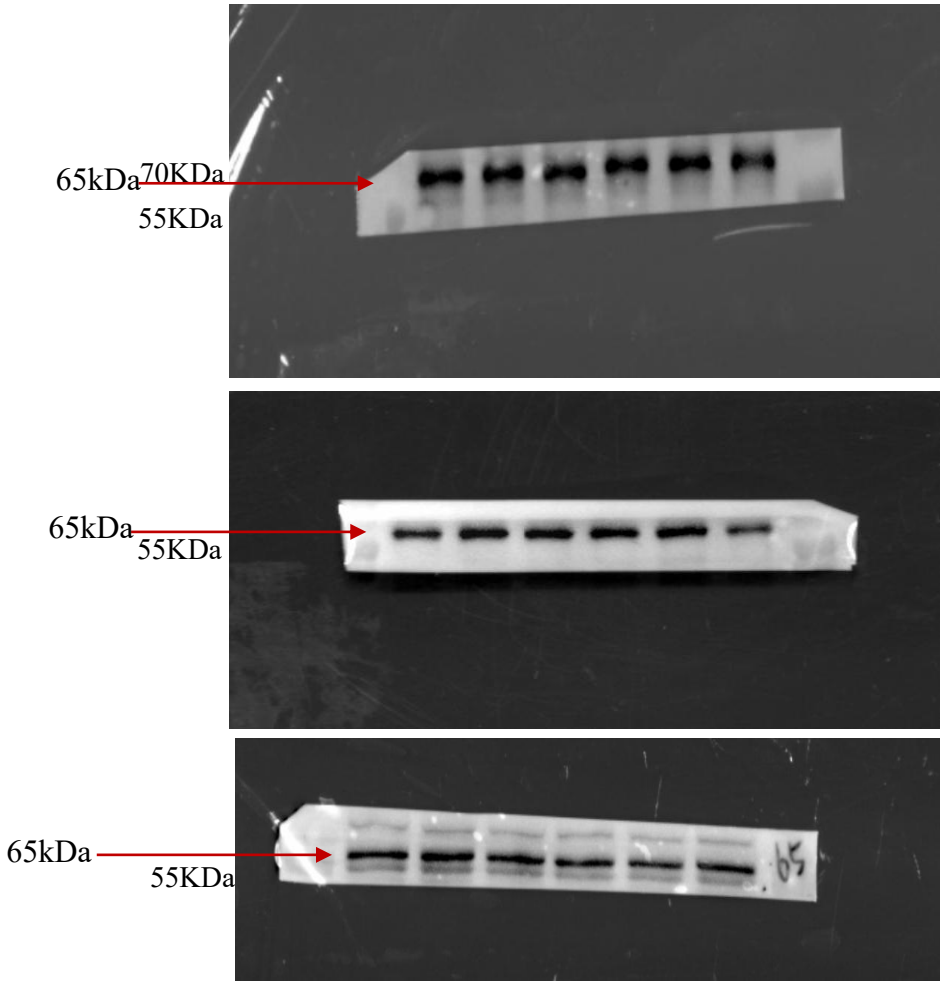
PRDX 1

LPS(1μg/ml)	-	+	+	+	+	-
AB4(μM)	-	-	5	10	20	20



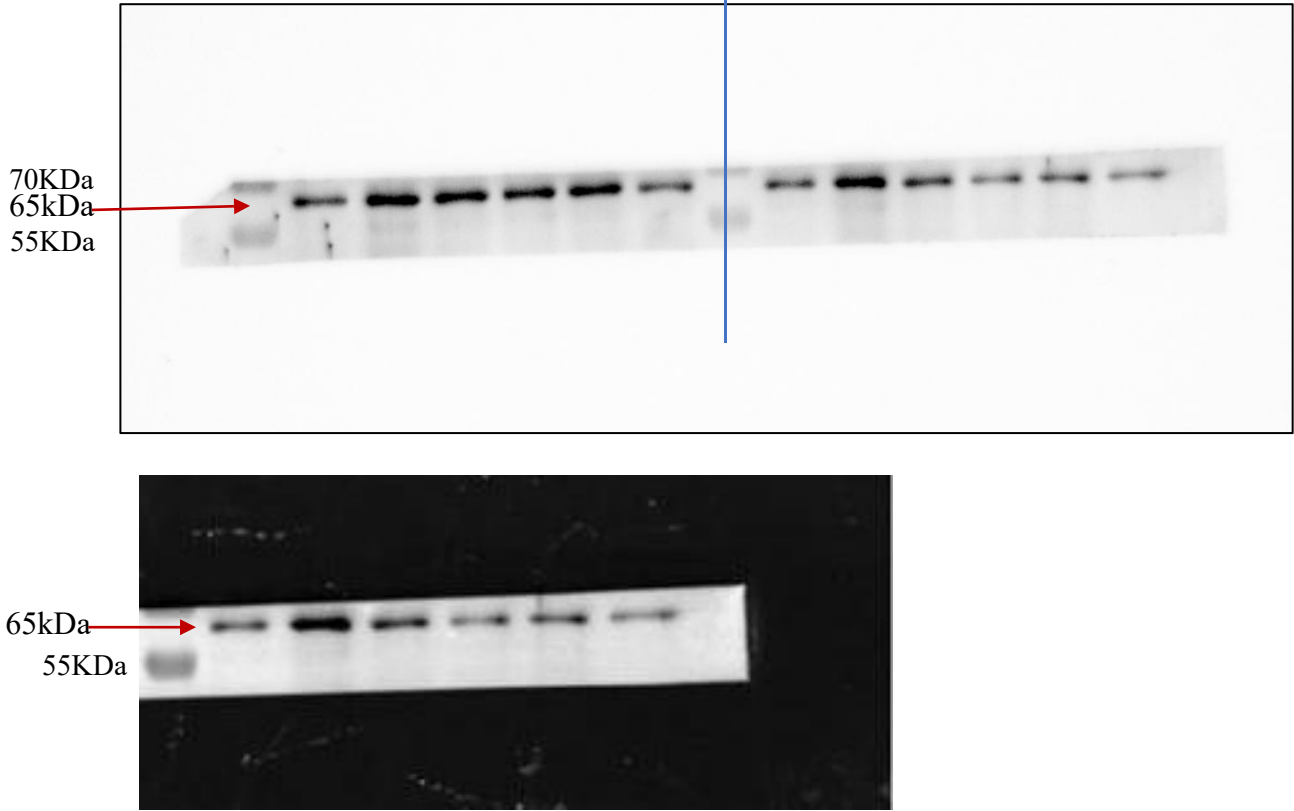
P65

LPS(1μg/ml)	-	+	+	+	+	-
AB4(μM)	-	-	5	10	20	20



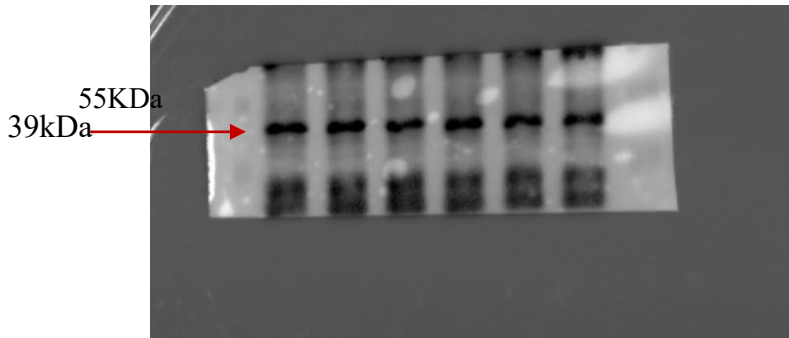
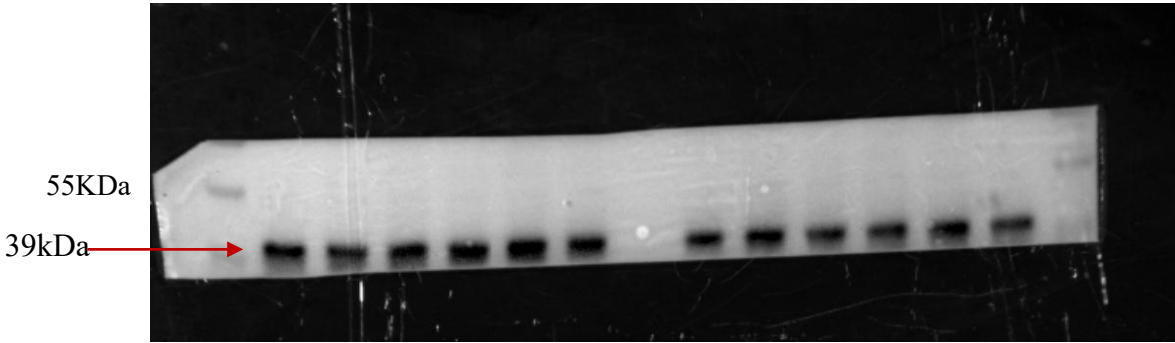
p-P65

LPS(1μg/ml)	-	+	+	+	+	-	-	+	+	+	+	-
AB4(μM)	-	-	5	10	20	20	-	-	5	10	20	20



IκBα

LPS(1μg/ml)	-	+	+	+	+	-	-	+	+	+	+	-
AB4(μM)	-	-	5	10	20	20	-	-	5	10	20	20



p-IκBα

LPS(1μg/ml)	-	+	+	+	+	-	-	+	+	+	+	-
AB4(μM)	-	-	5	10	20	20	-	-	5	10	20	20

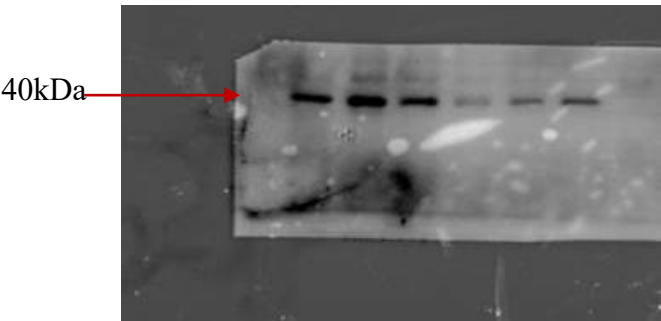
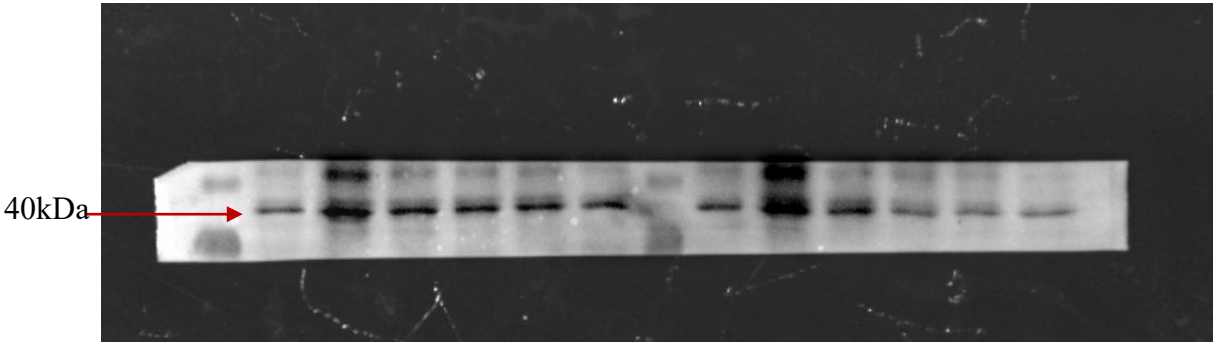
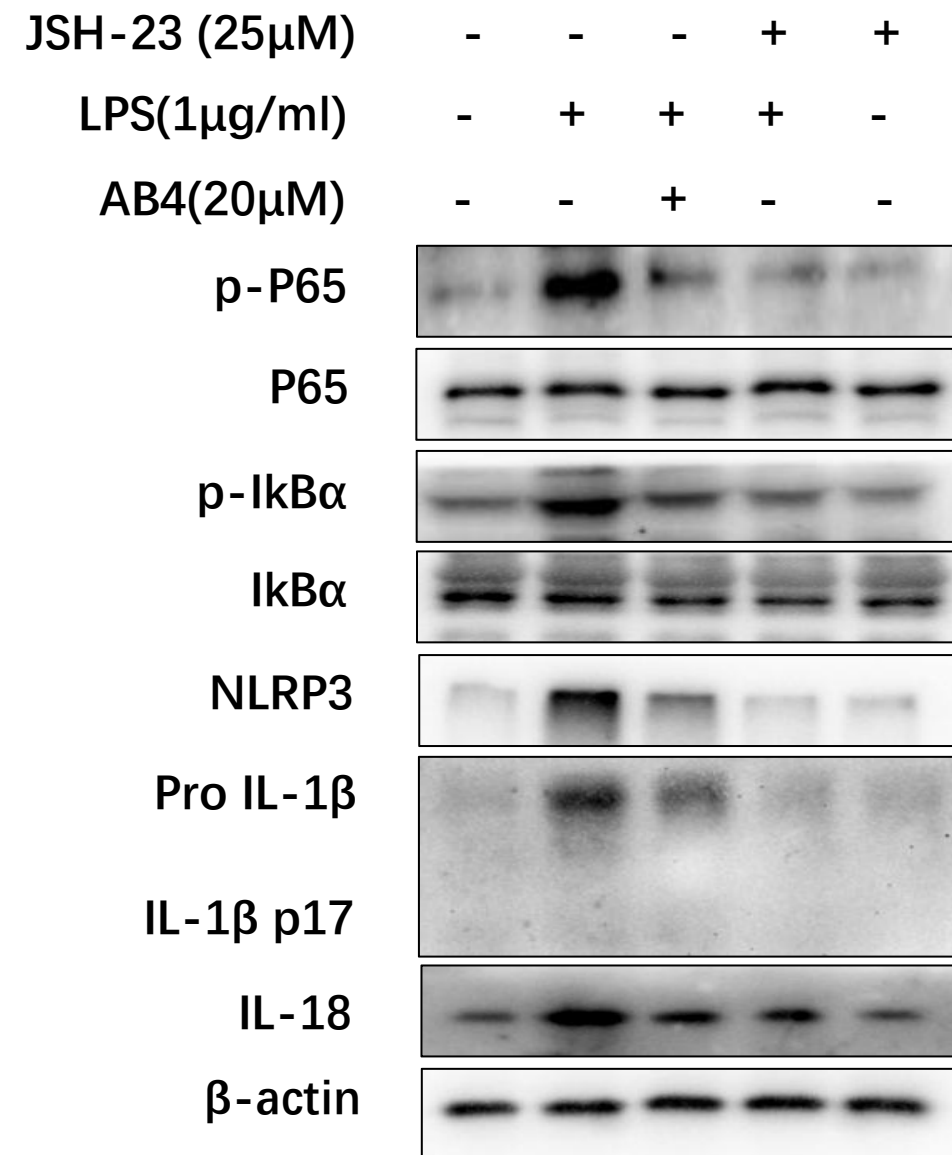
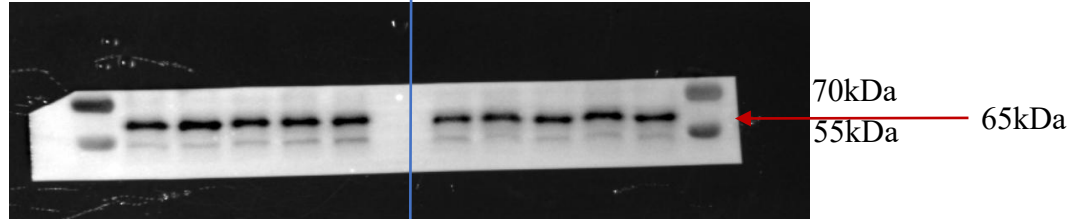


Fig.6 C

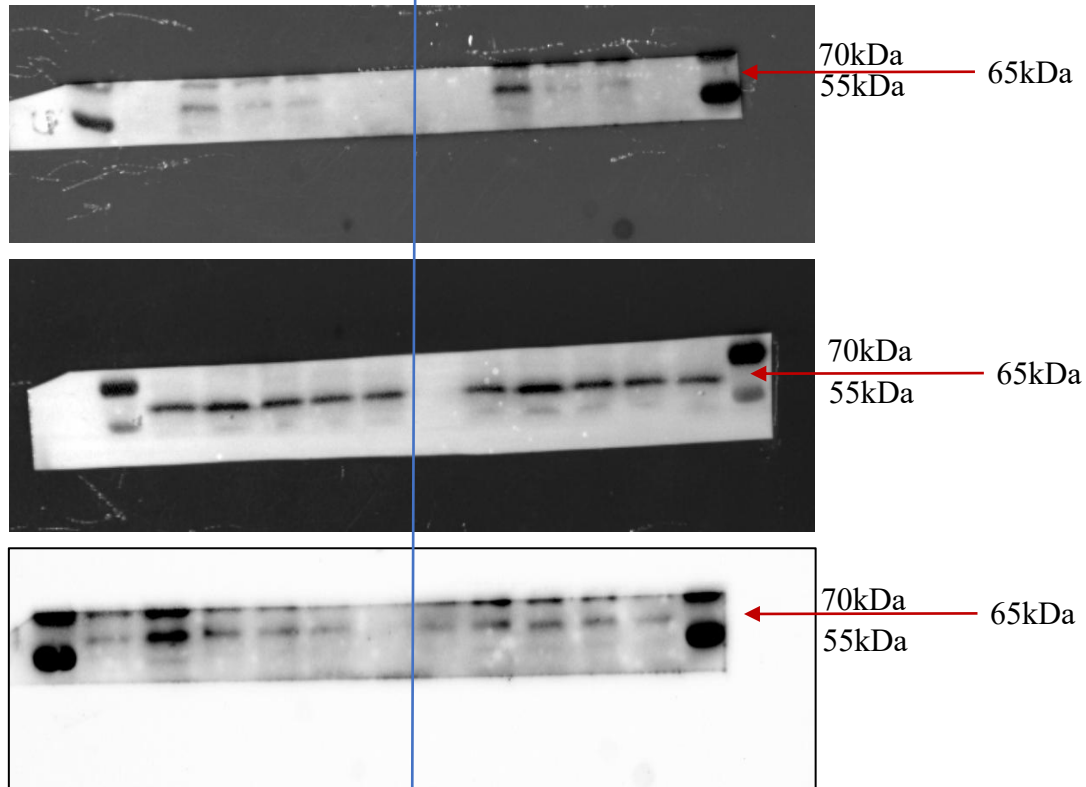


JSH-23 (25μM)	-	-	-	+	+	-	-	-	+	+	MK2206(20μM)
LPS(1μg/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-	-	-	+	+	-	AB4(20μM)

P65

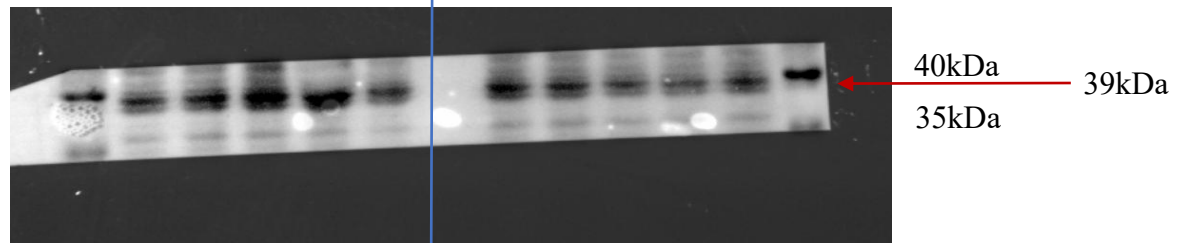


p-P65

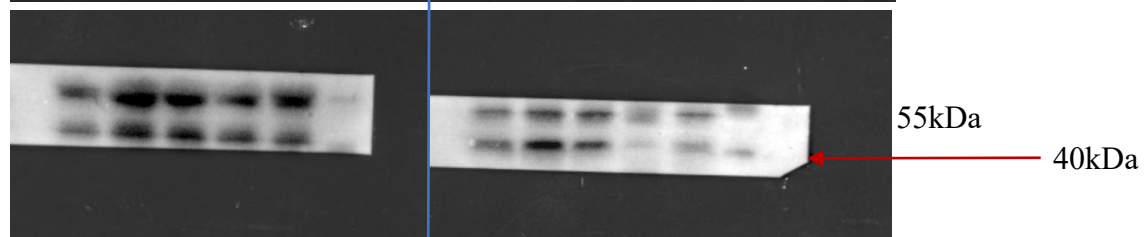
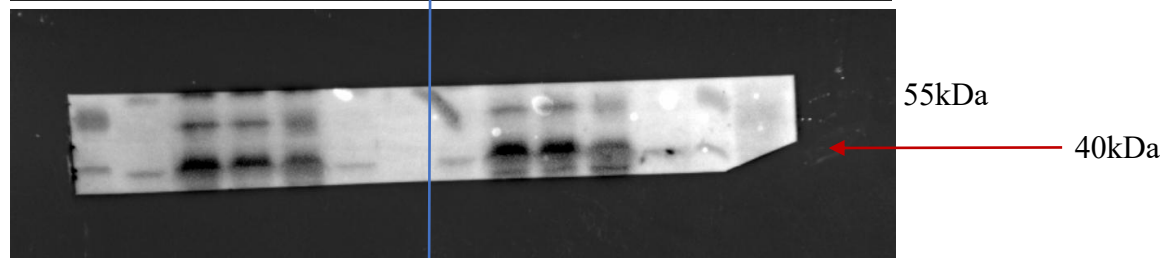
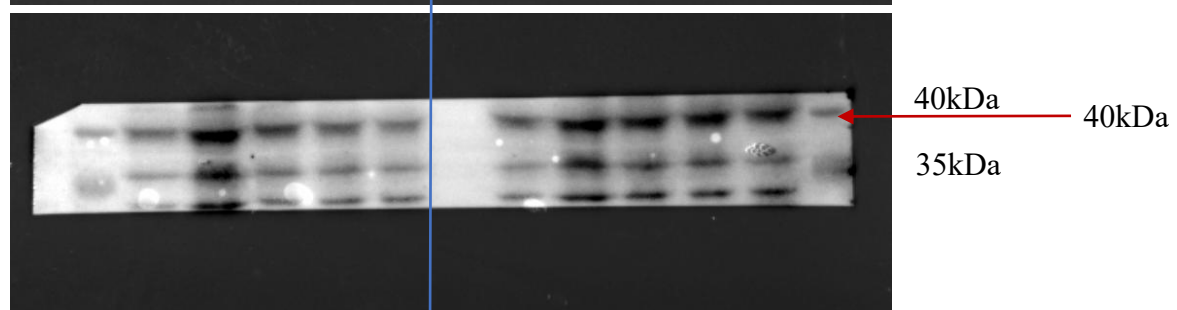


I κ B α

JSH-23 (25 μ M)	-	-	-	+	+	-	-	-	+	+	MK2206(20 μ M)
LPS(1 μ g/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1 μ g/ml)
AB4(20 μ M)	-	-	+	+	-	-	-	+	+	-	AB4(20 μ M)

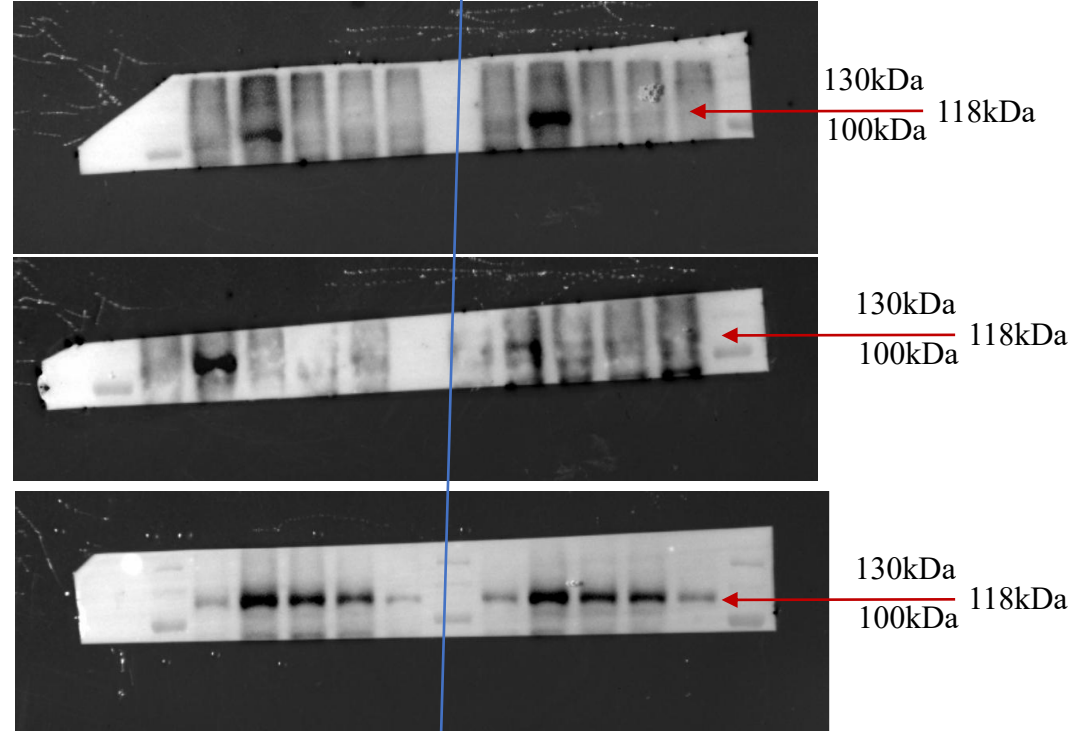


p-I κ B α



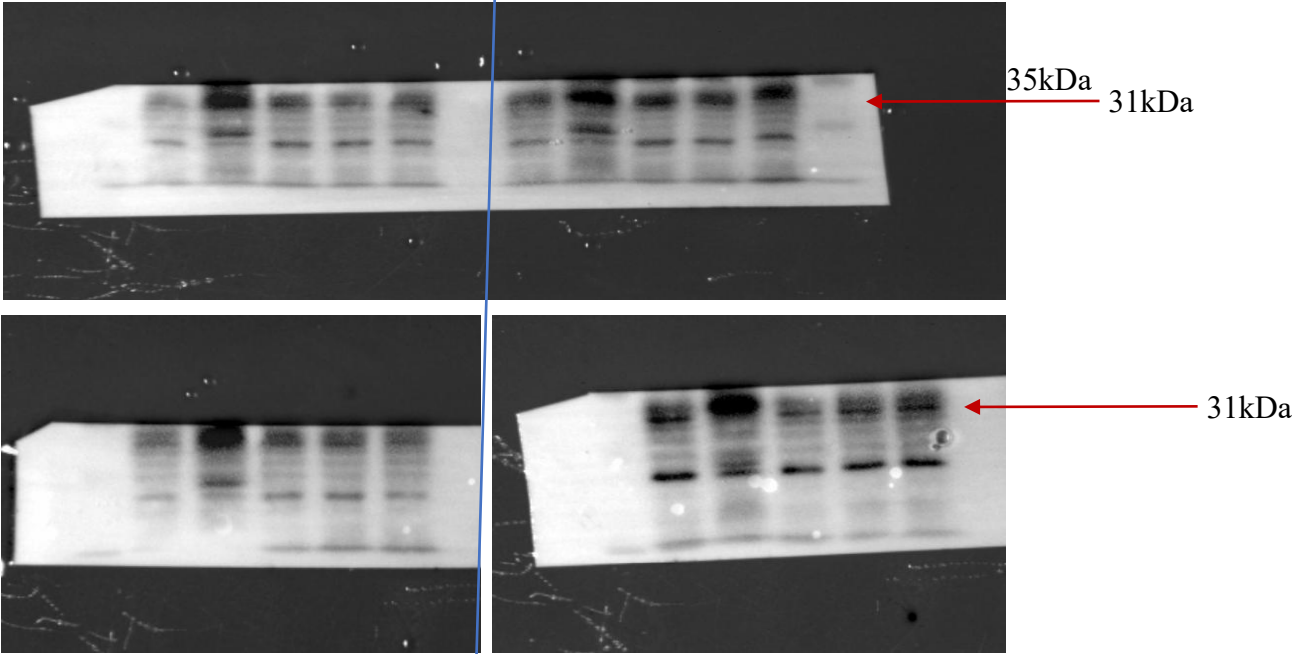
NLRP3

JSH-23 (25μM)	-	-	-	+	+	-	-	-	+	+	MK2206(20μM)
LPS(1μg/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-	-	-	+	+	-	AB4(20μM)

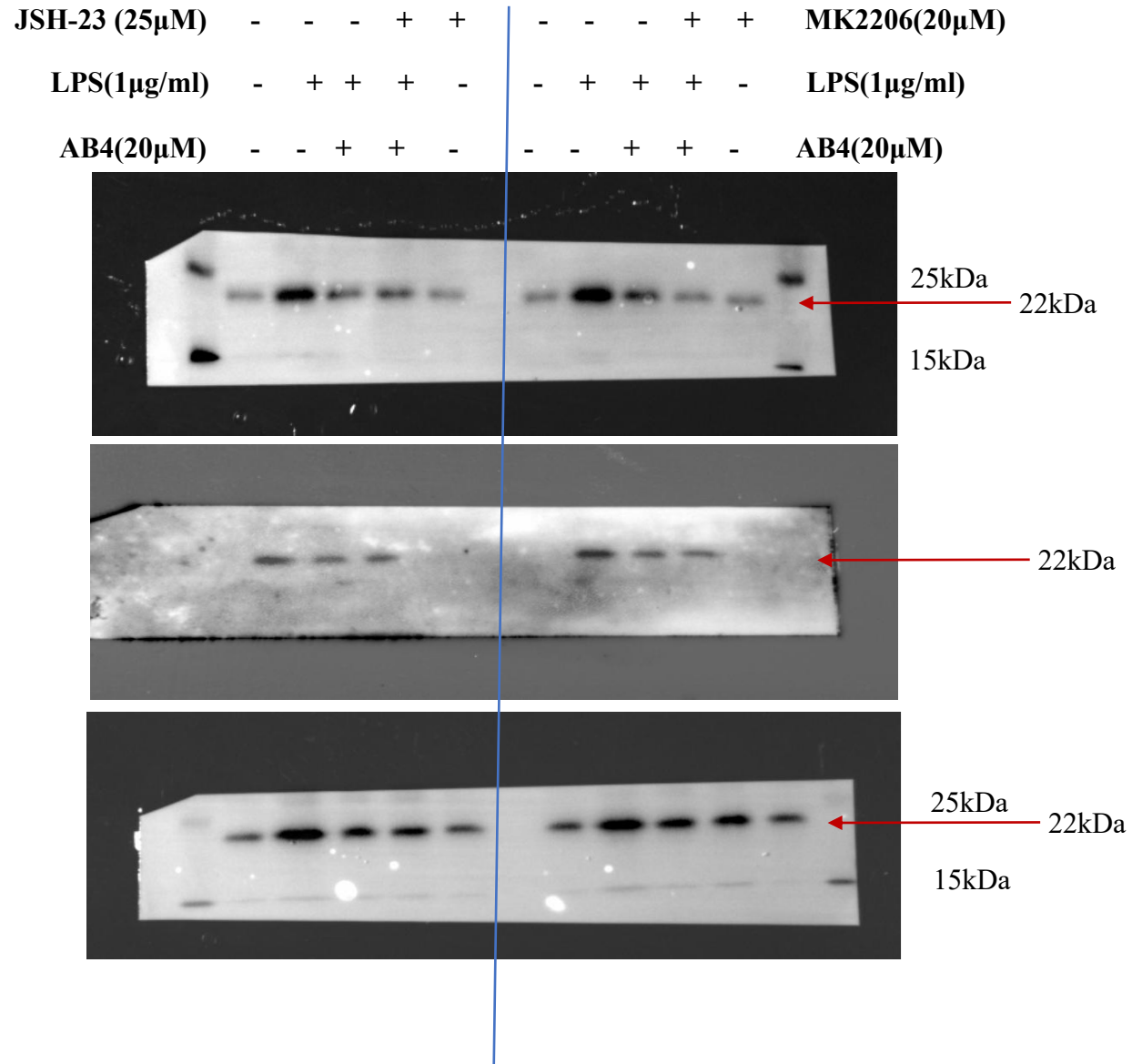


pro-IL 1 β

JSH-23 (25 μ M)	-	-	-	+	+	-	-	-	+	+	MK2206(20 μ M)
LPS(1 μ g/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1 μ g/ml)
AB4(20 μ M)	-	-	+	+	-	-	-	+	+	-	AB4(20 μ M)



IL-18



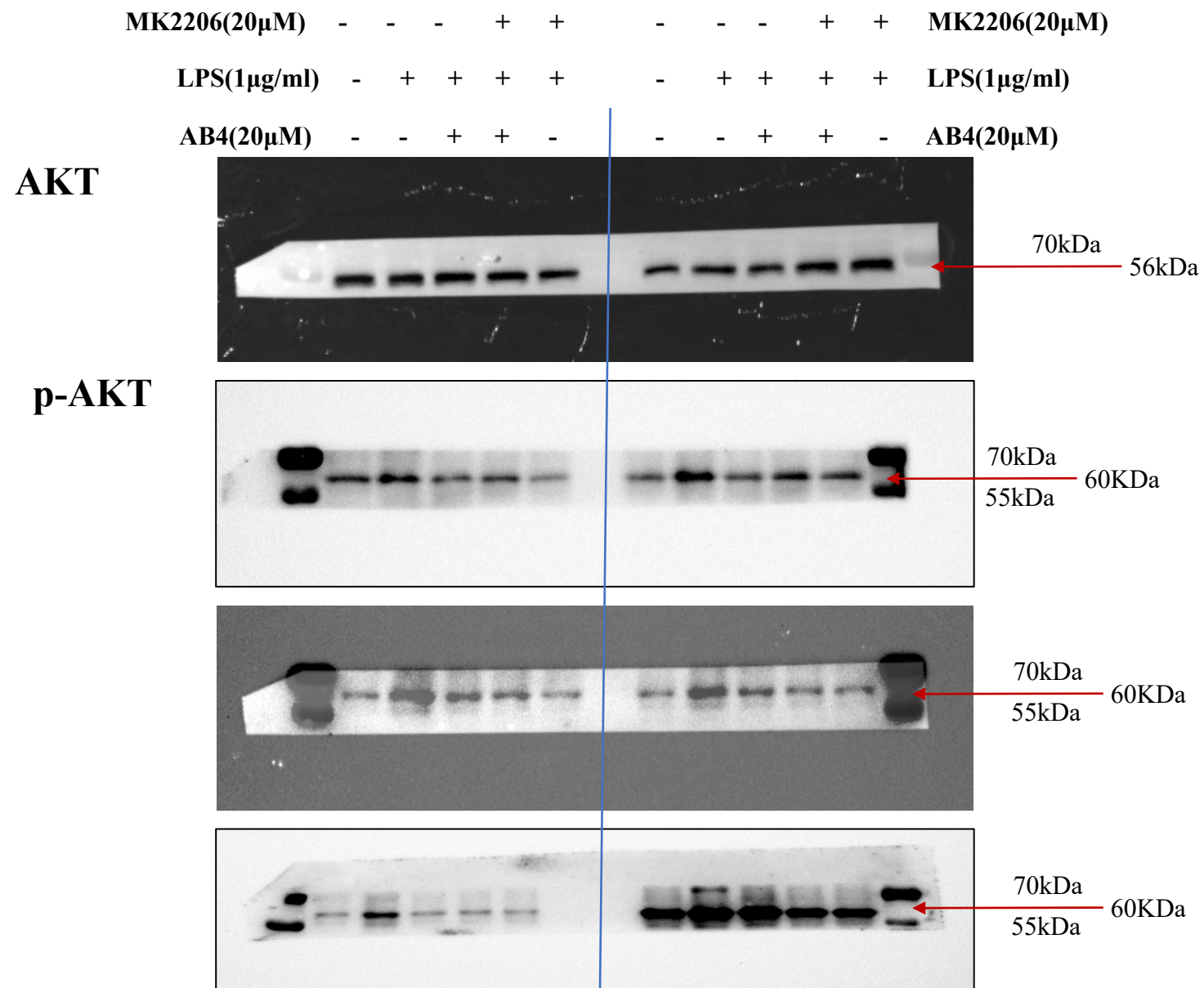


Fig.6 E

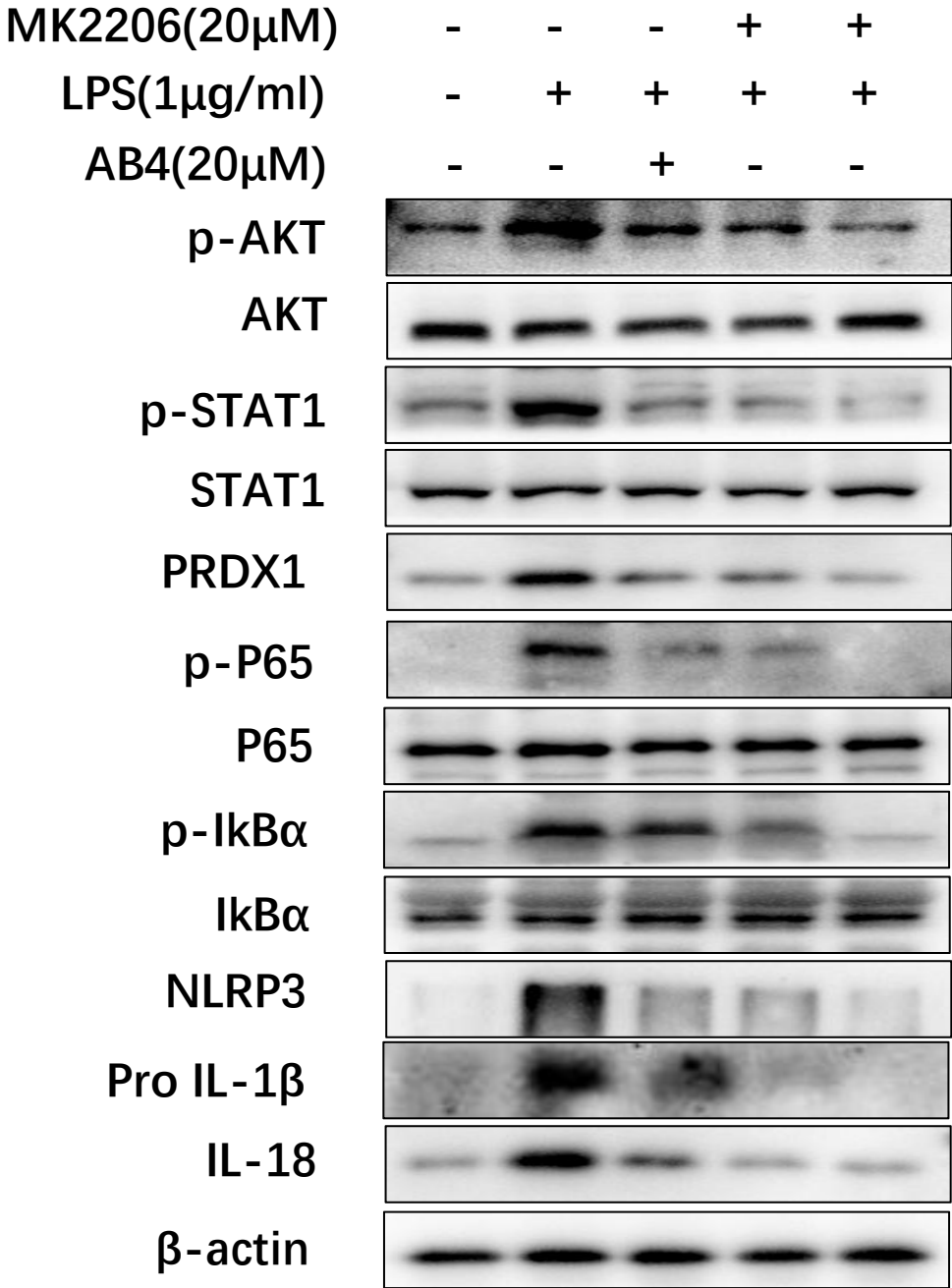
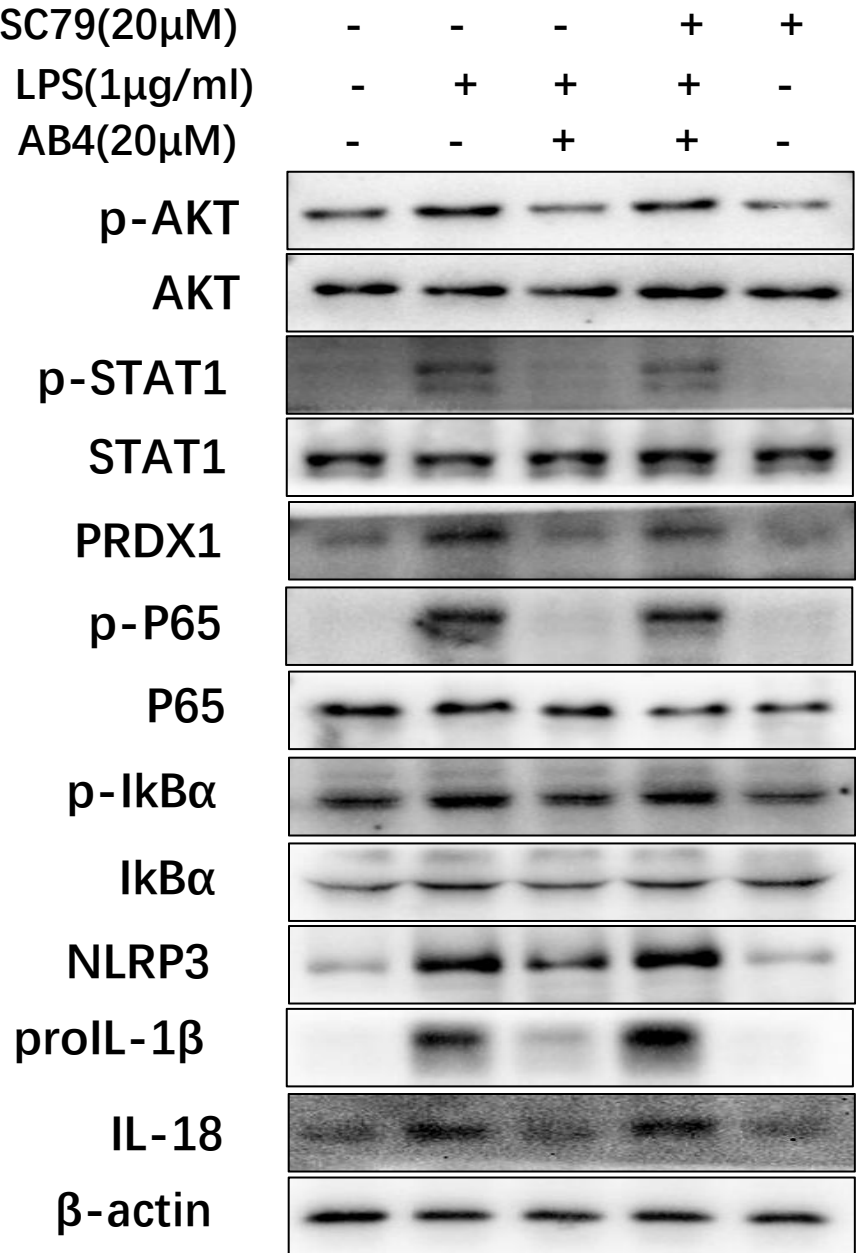
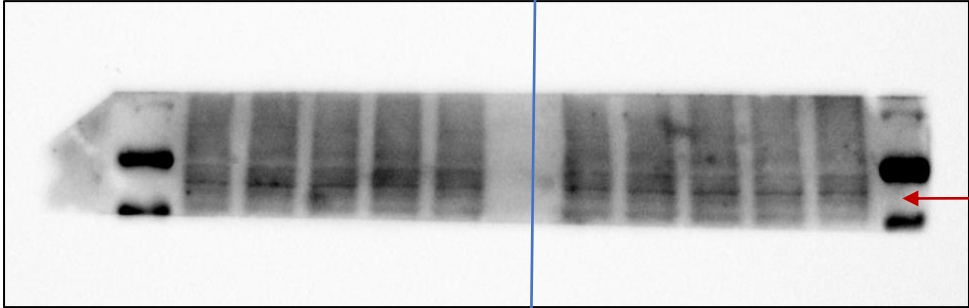


Fig.6 F

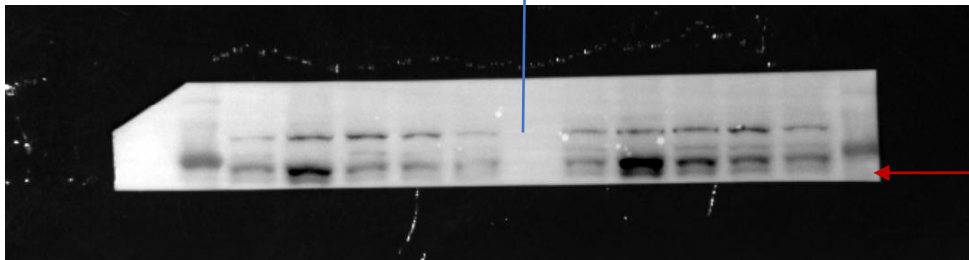
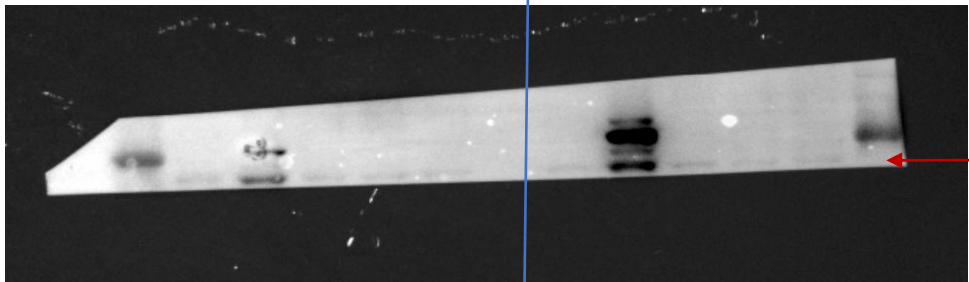
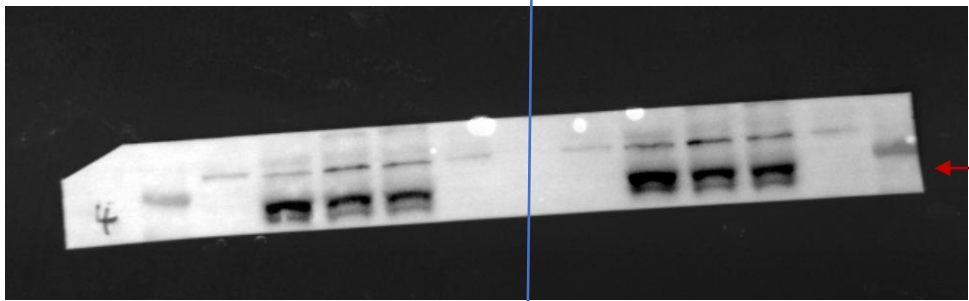


MK2206(20μM)	-	-	-	+	+		-	-	-	+	+	MK2206(20μM)
LPS(1μg/ml)	-	+	+	+	+		-	+	+	+	+	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-		-	-	+	+	-	AB4(20μM)

STAT1

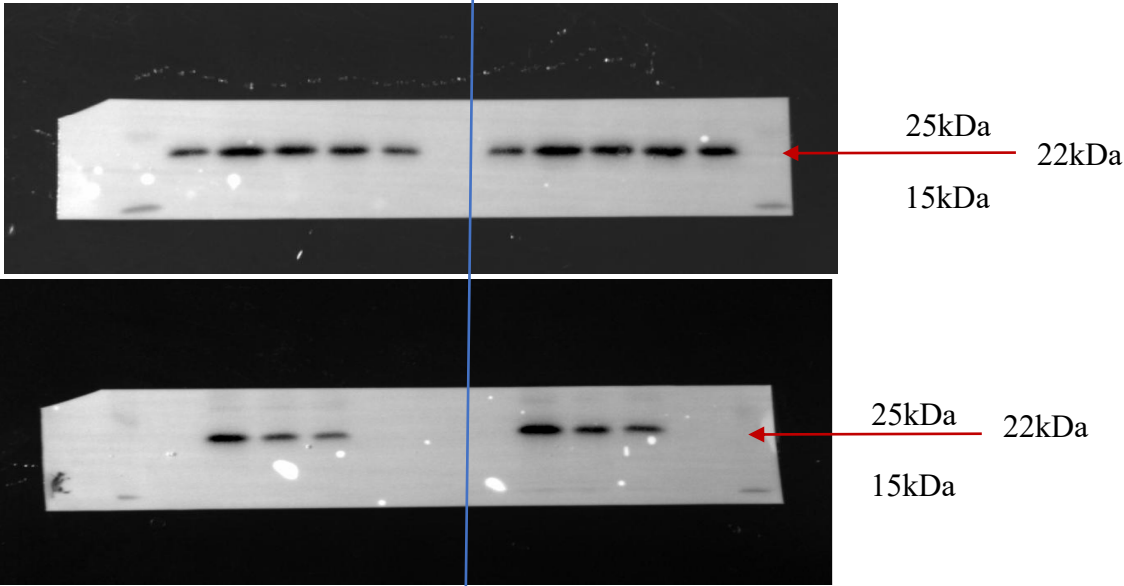


p-STAT1



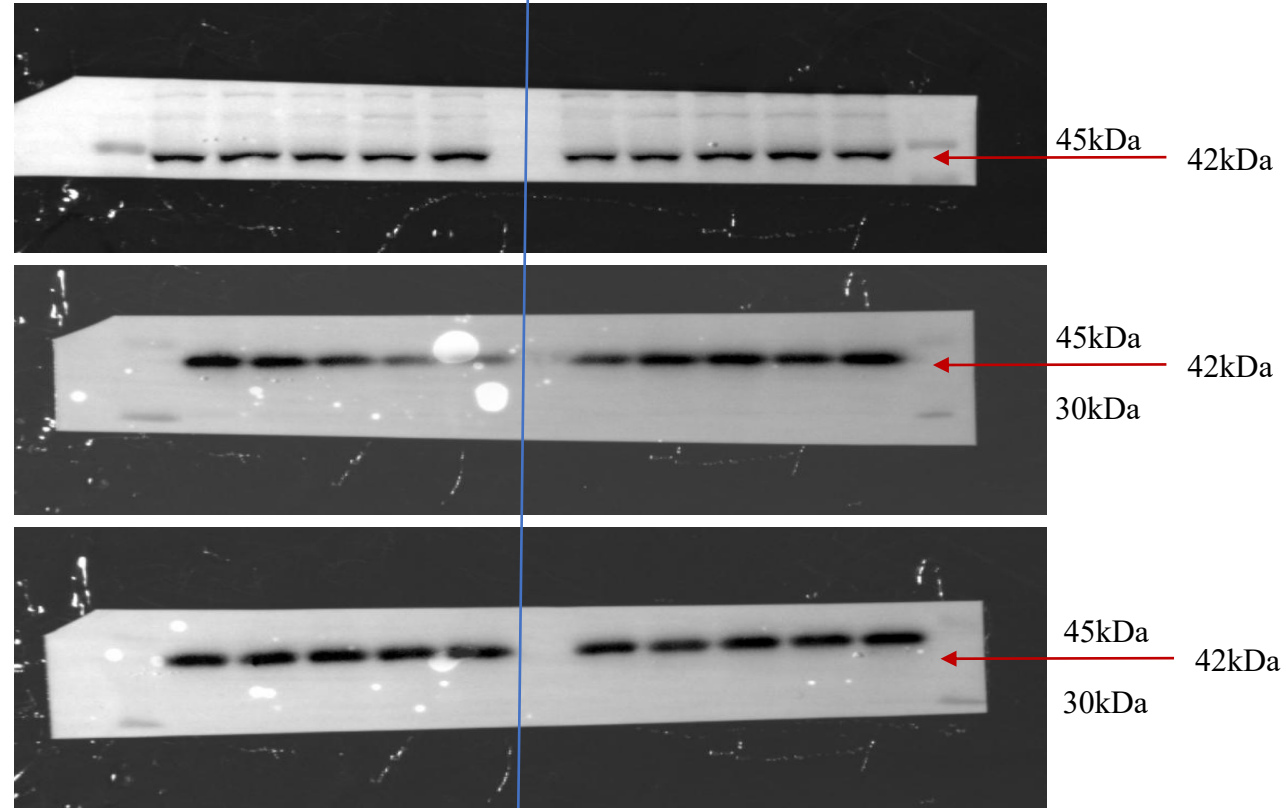
PRDX 1

MK2206(20μM)	-	-	-	+	+	-	-	-	+	+	MK2206(20μM)
LPS(1μg/ml)	-	+	+	+	+	-	+	+	+	+	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-	-	-	+	+	-	AB4(20μM)



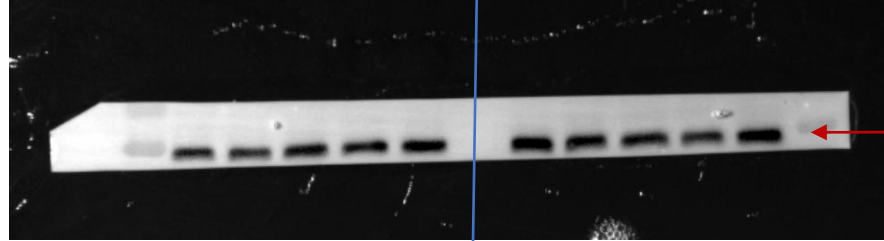
β-actin

JSH-23 (25μM)	-	-	-	+	+	-	-	-	+	+	MK2206(20μM)
LPS(1μg/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-	-	-	+	+	-	AB4(20μM)



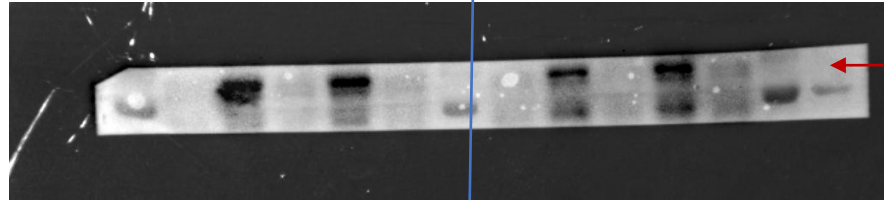
SC79 (25μM)	-	-	-	+	+	-	-	-	+	+	SC79(20μM)
LPS(1μg/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-	-	-	+	+	-	AB4(20μM)

AKT



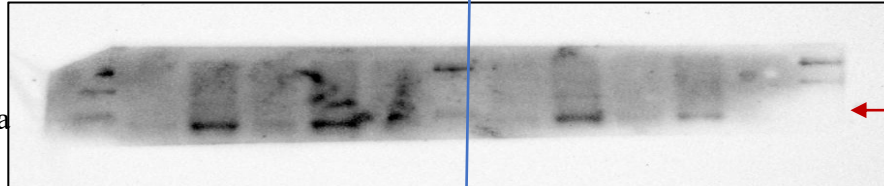
55kDa 56kDa

p-AKT

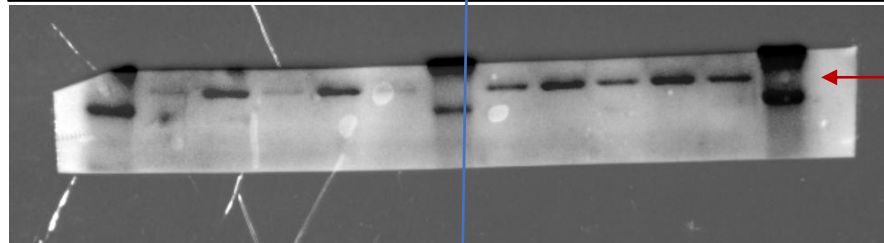


55kDa 60kDa

70kDa



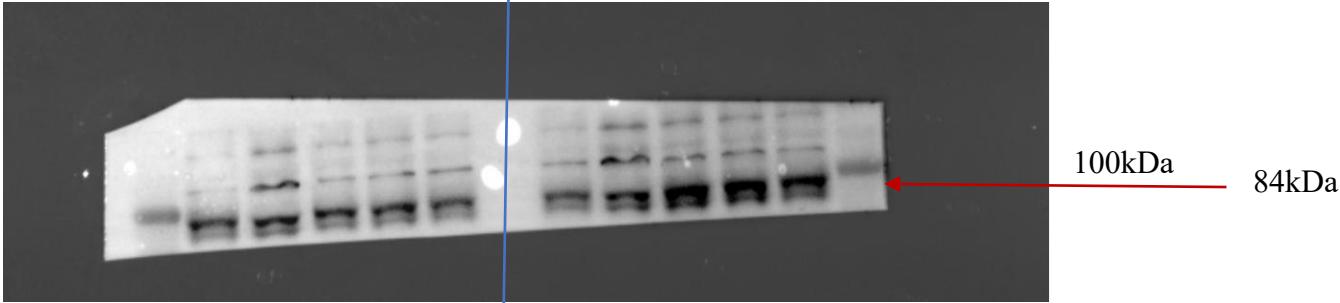
60kDa



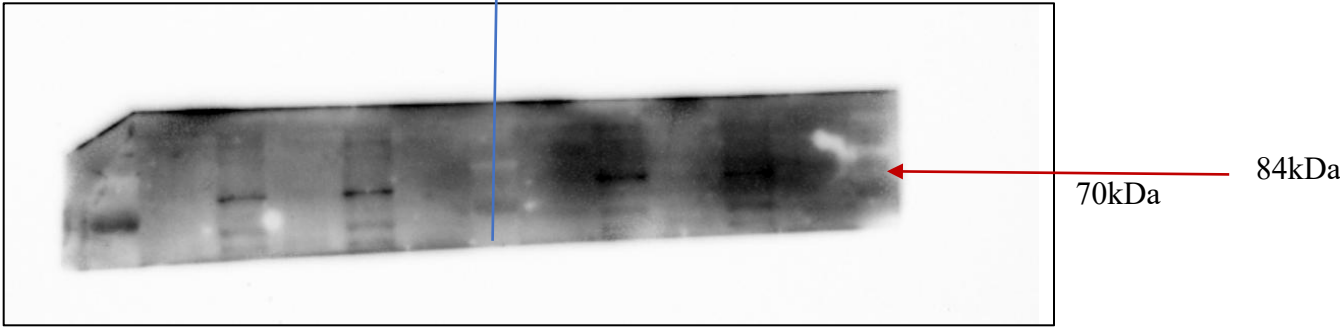
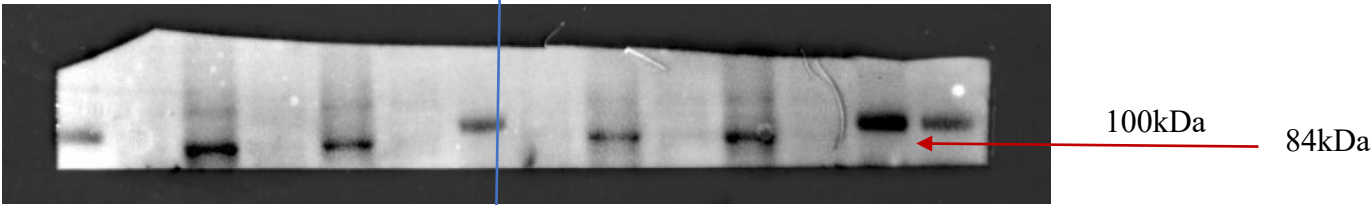
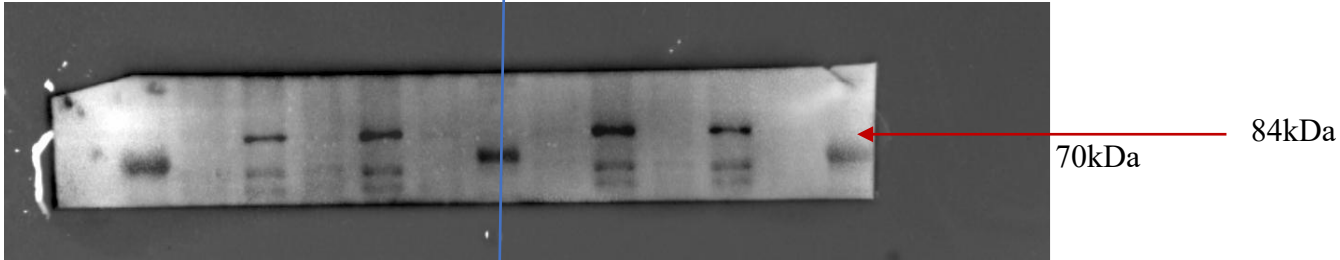
70kDa 55kDa 60kDa

SC79 (25μM)	-	-	-	+	+	-	-	-	+	+	SC79(20μM)
LPS(1μg/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-	-	-	+	+	-	AB4(20μM)

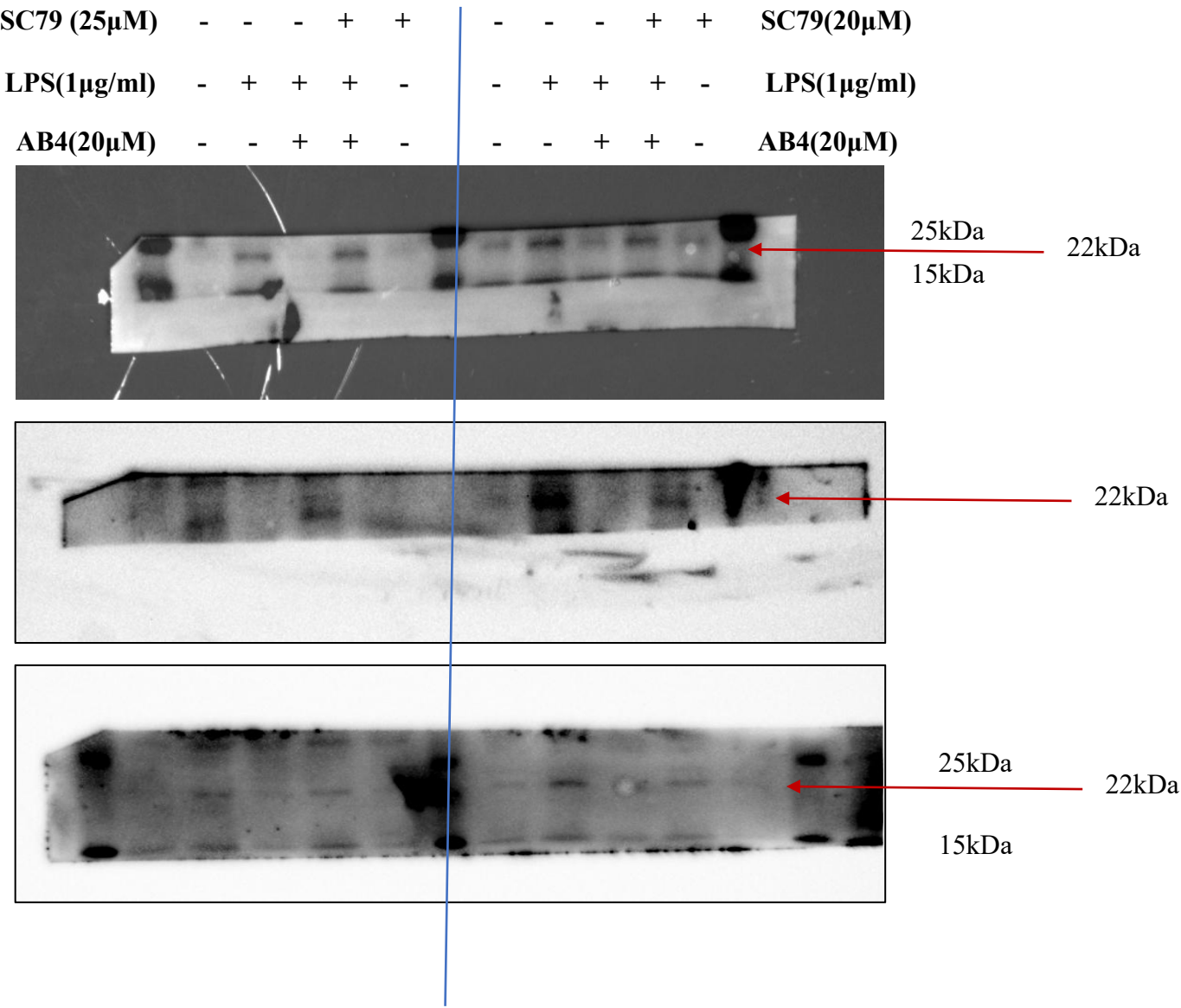
STAT1



p-STAT1

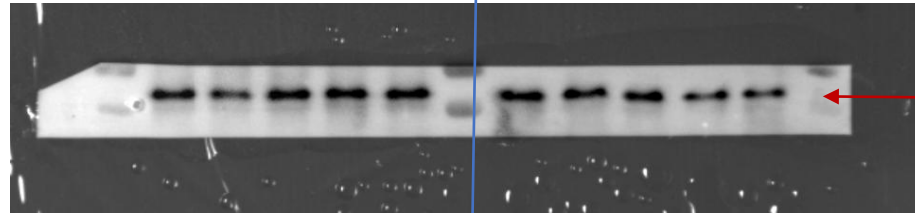


PRDX1



SC79 (25μM)	-	-	-	+	+	-	-	-	+	+	SC79(20μM)
LPS(1μg/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-	-	-	+	+	-	AB4(20μM)

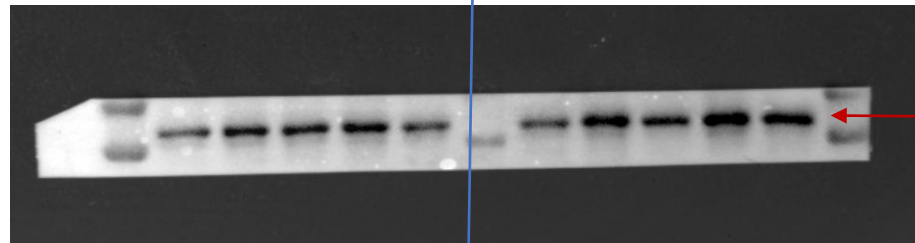
P65



70kDa
55kDa

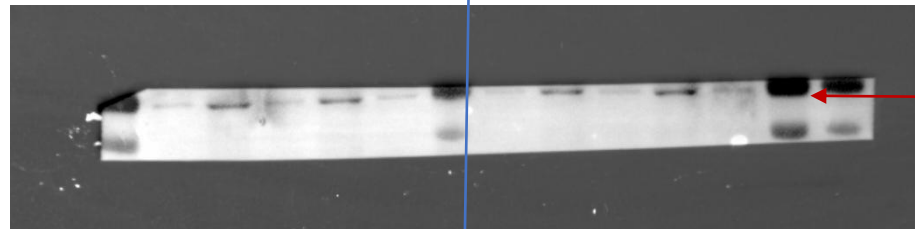
65kDa

p-P65



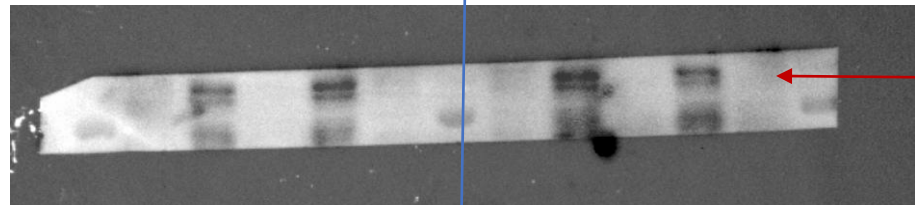
70kDa
55kDa

65kDa



70kDa
55kDa

65kDa

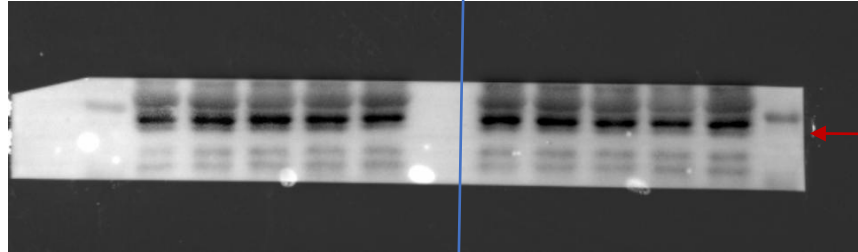


70kDa
55kDa

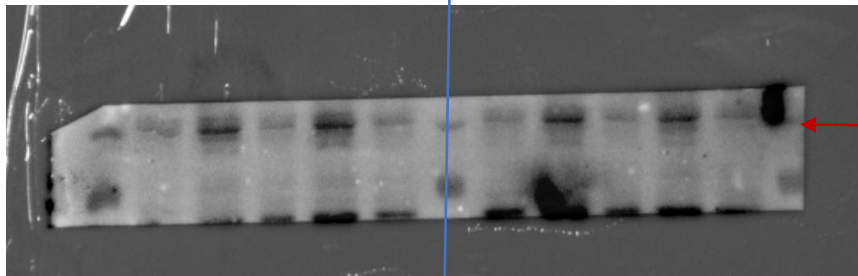
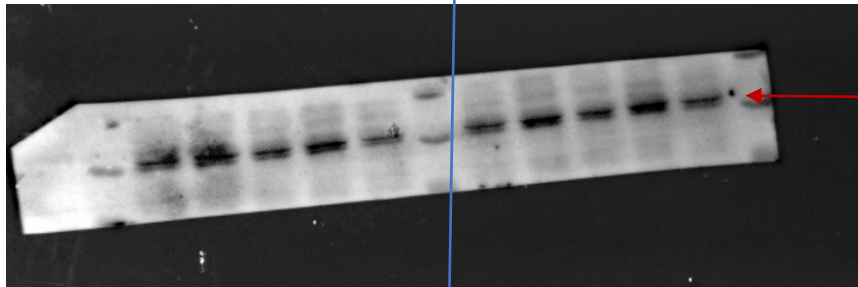
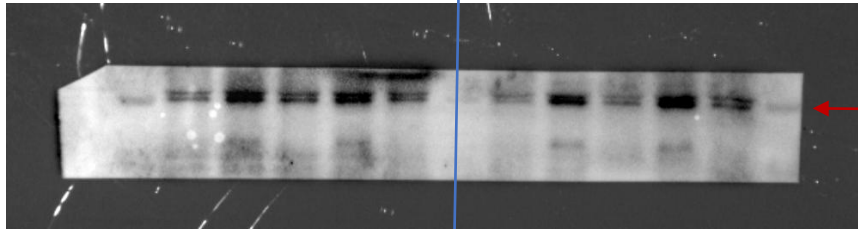
65kDa

I κ B α

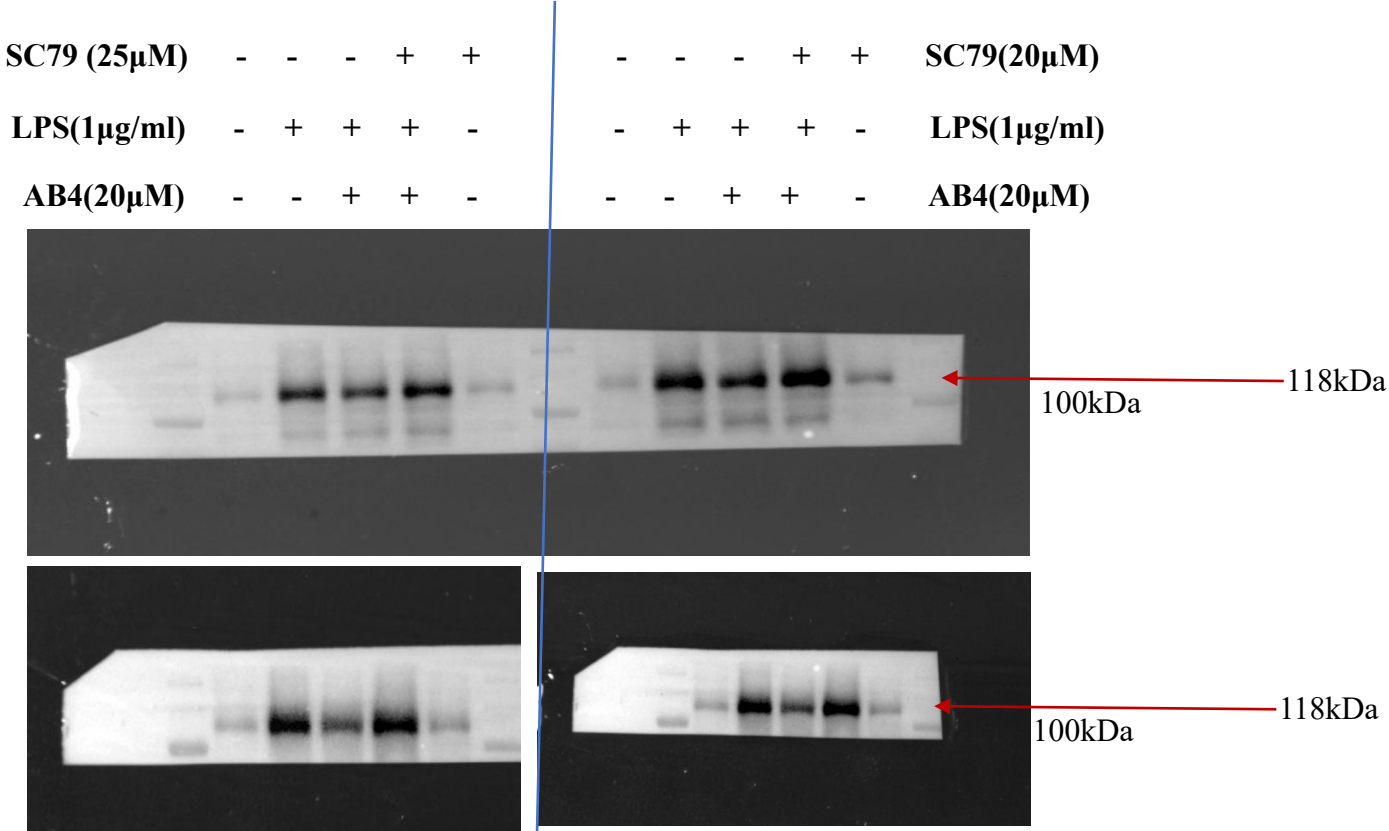
SC79 (25 μ M)	-	-	-	+	+	-	-	-	+	+	SC79(20 μ M)
LPS(1 μ g/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1 μ g/ml)
AB4(20 μ M)	-	-	+	+	-	-	-	+	+	-	AB4(200 μ M)



p-I κ B α

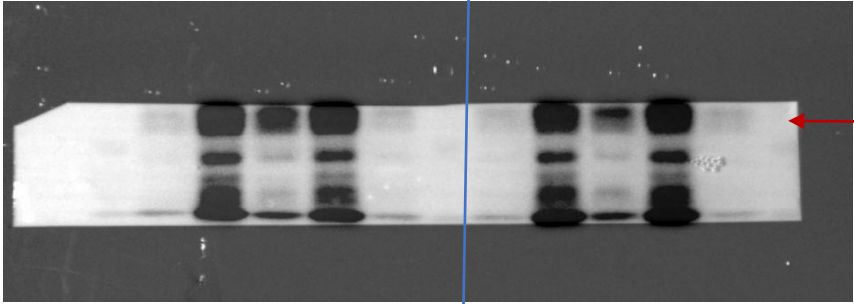
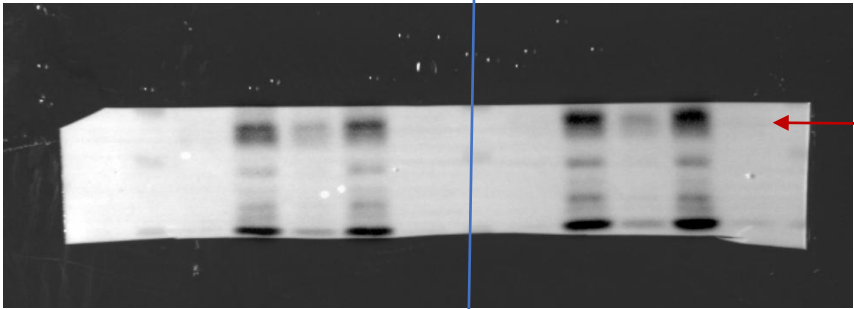


NLRP3



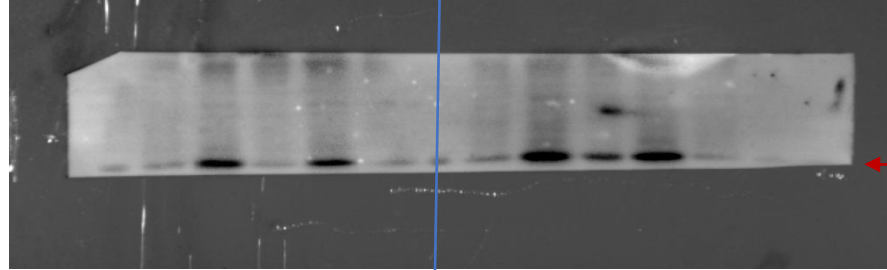
proIL-1β

SC79 (25μM)	-	-	-	+	+	-	-	-	+	+	SC79(20μM)
LPS(1μg/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-	-	-	+	+	-	AB4(20μM)

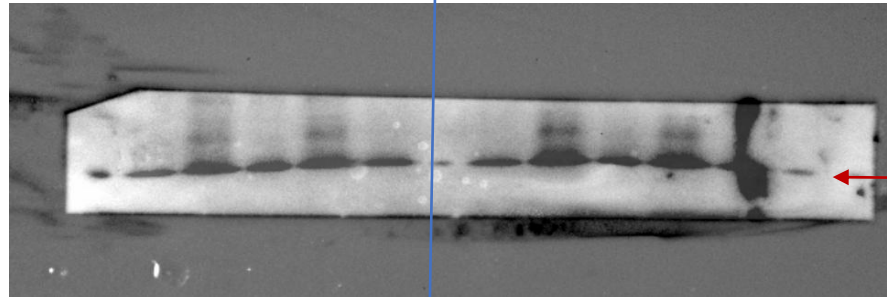


IL-18

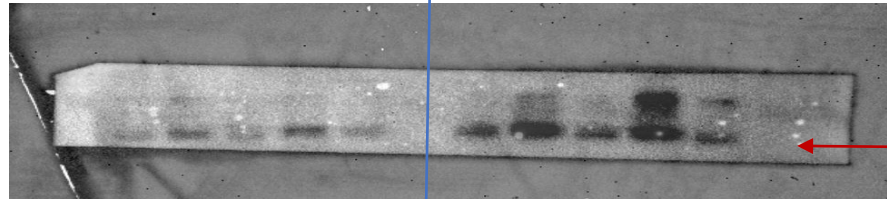
SC79 (25μM)	-	-	-	+	+	-	-	-	+	+	SC79(20μM)
LPS(1μg/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1μg/ml)
AB4(20μM)	-	-	+	+	-	-	-	+	+	-	AB4(20μM)



22kDa



22kDa



22kDa

β -actin

SC79 (25 μ M)	-	-	-	+	+	-	-	-	+	+	SC79(20 μ M)
LPS(1 μ g/ml)	-	+	+	+	-	-	+	+	+	-	LPS(1 μ g/ml)
AB4(20 μ M)	-	-	+	+	-	-	-	+	+	-	AB4(20 μ M)

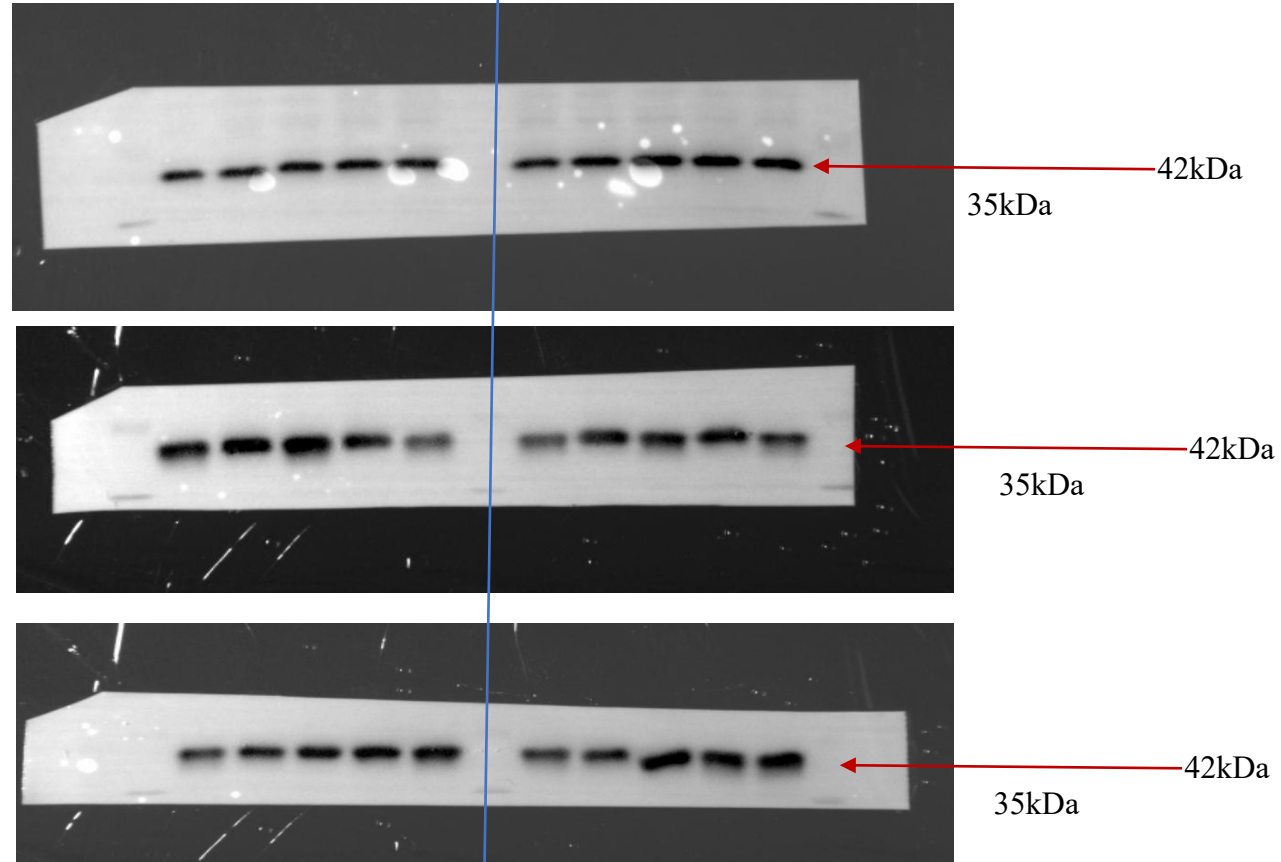
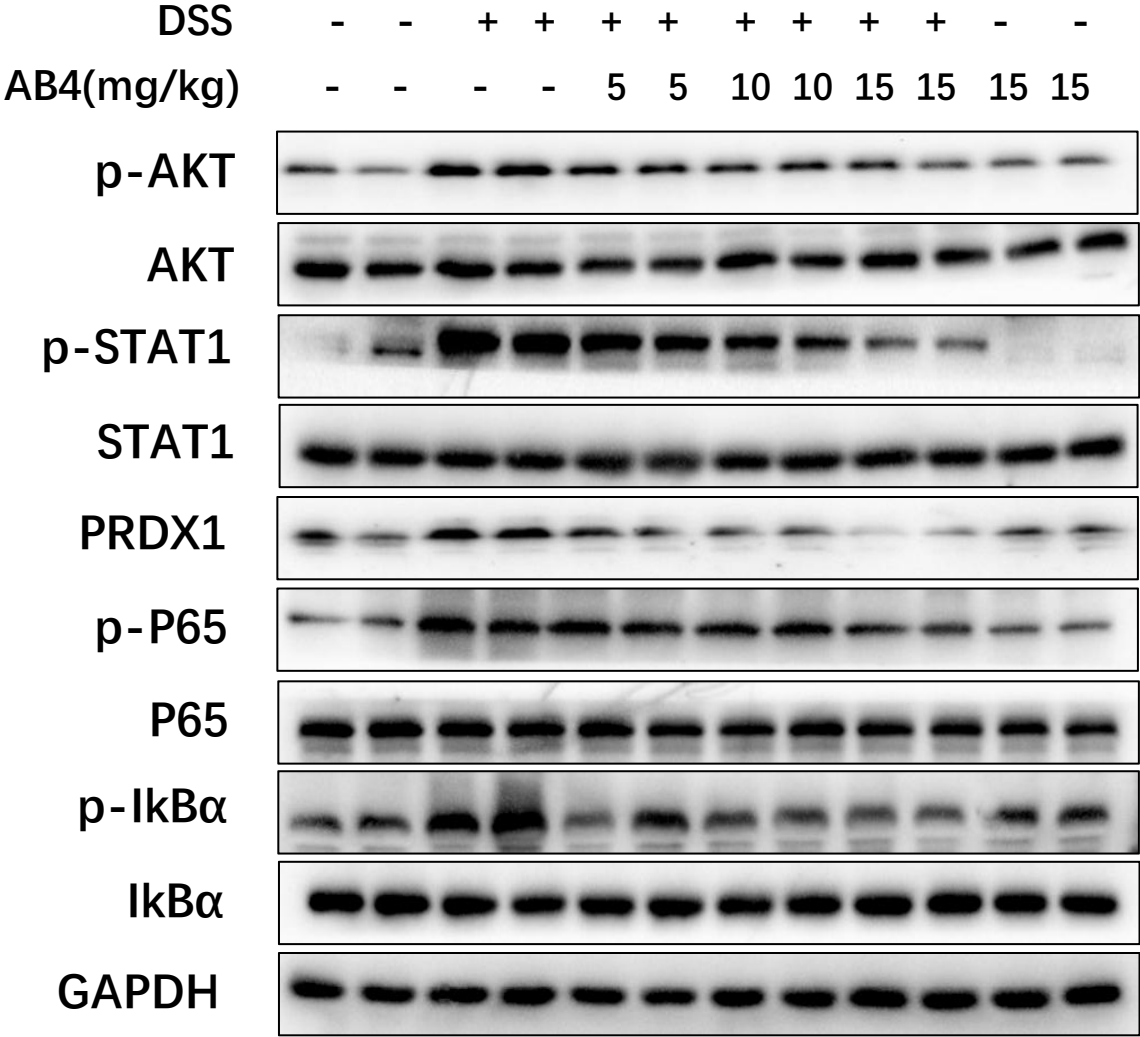
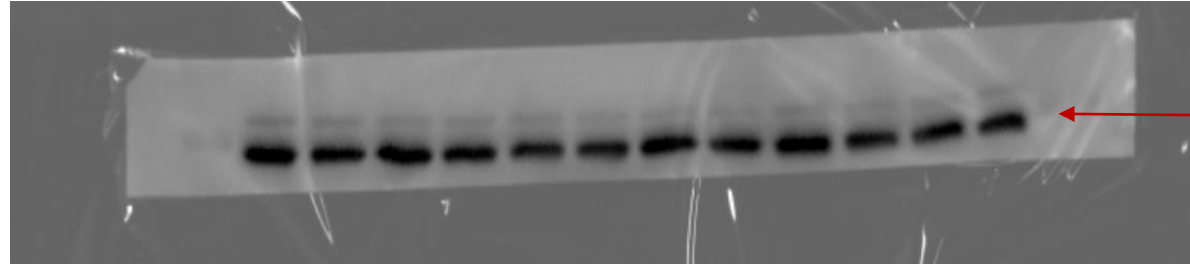


Fig.6 G



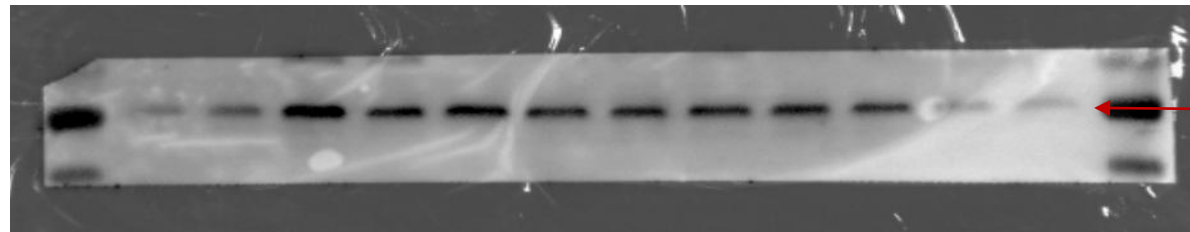
DSS	-	-	+	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15	15

AKT



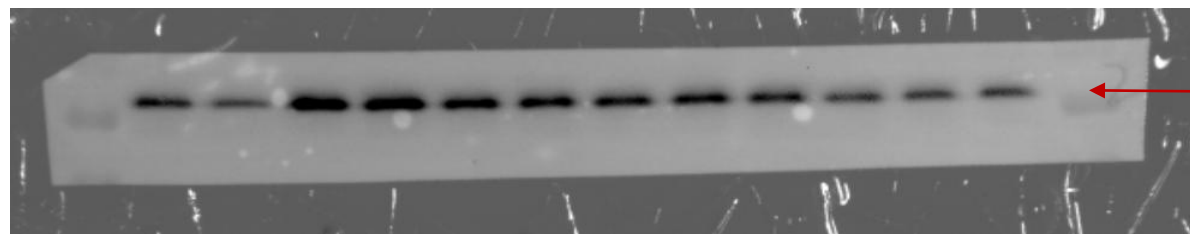
56kDa

p-AKT



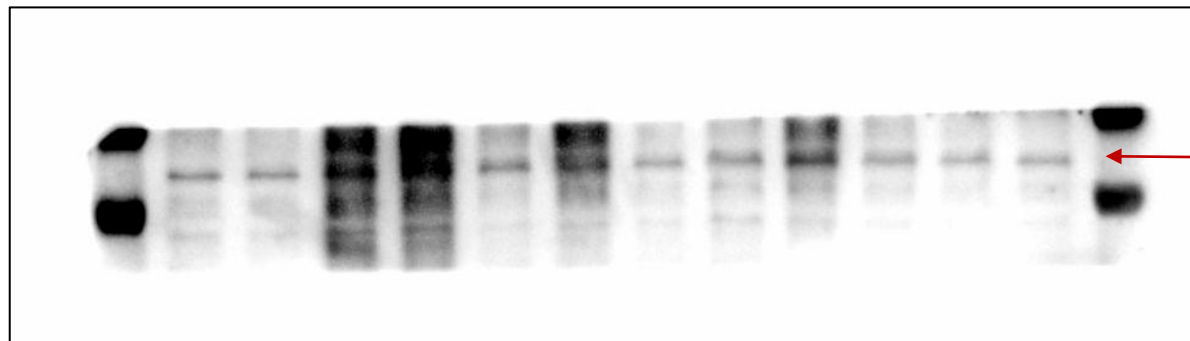
60kDa

55kDa



60kDa

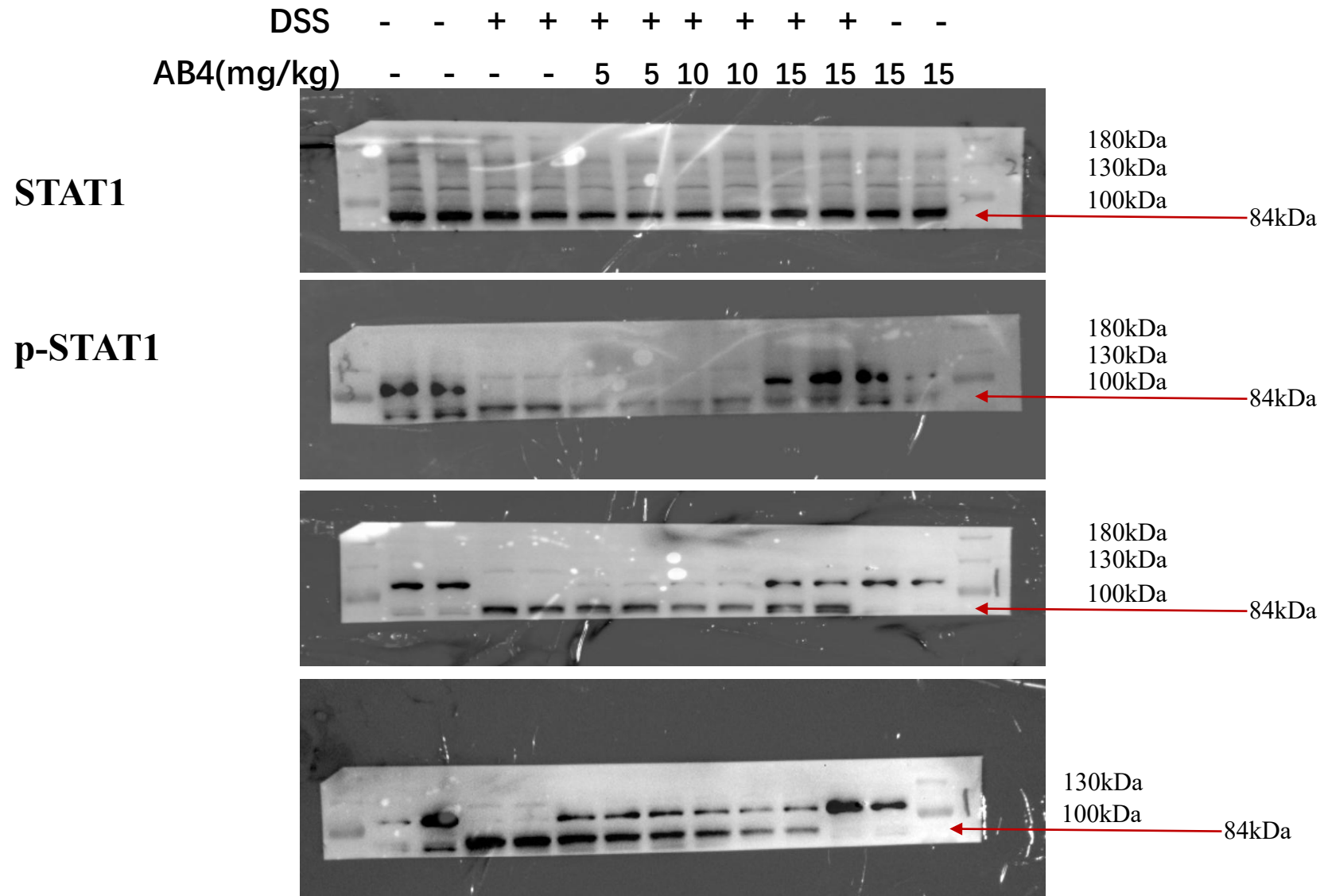
55kDa



70kDa

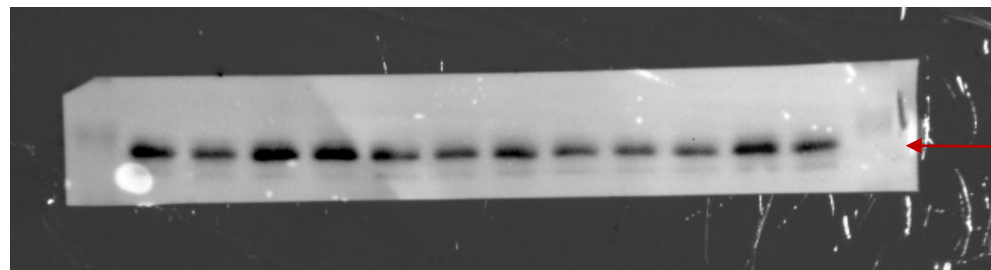
60kDa

55kDa



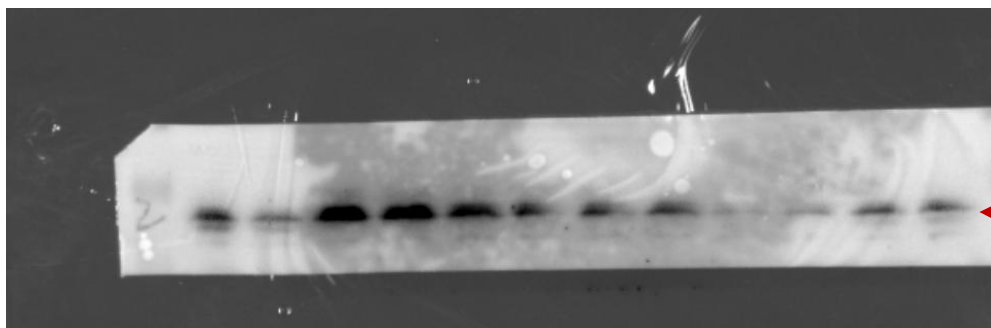
DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15

PRDX1

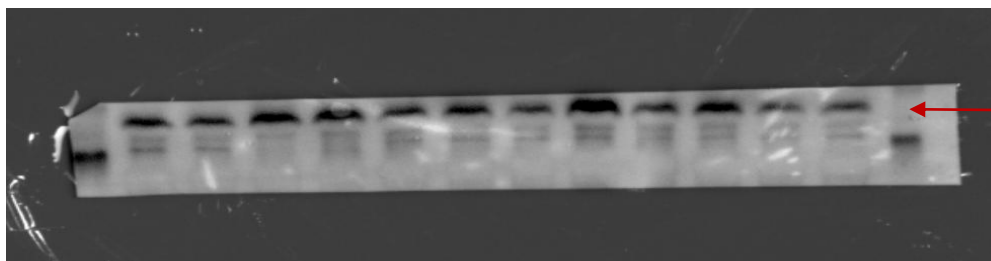


25kDa

22kDa



22kDa

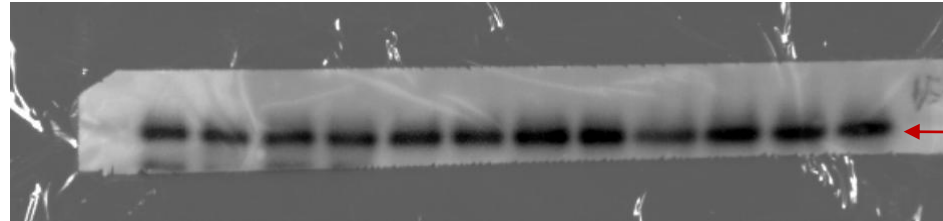


15kDa

22kDa

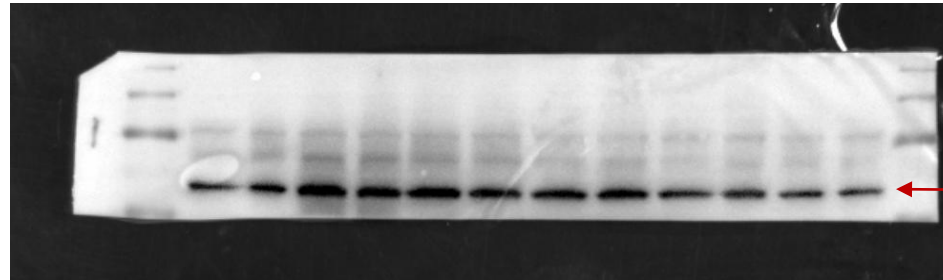
DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15

P65



65kDa

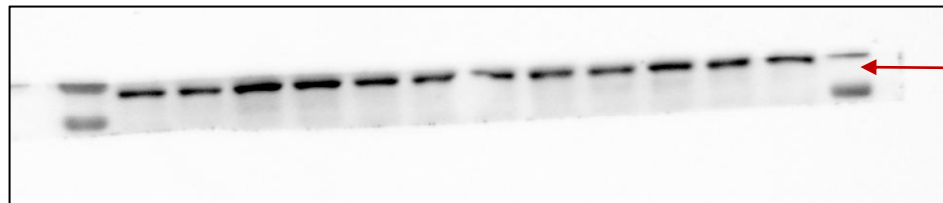
p-P65



70kDa

55kDa

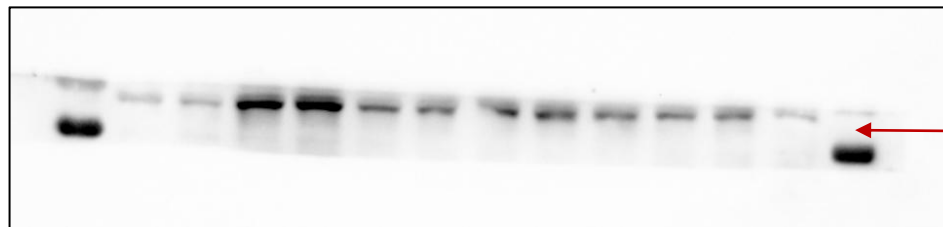
65kDa



70kDa

55kDa

65kDa



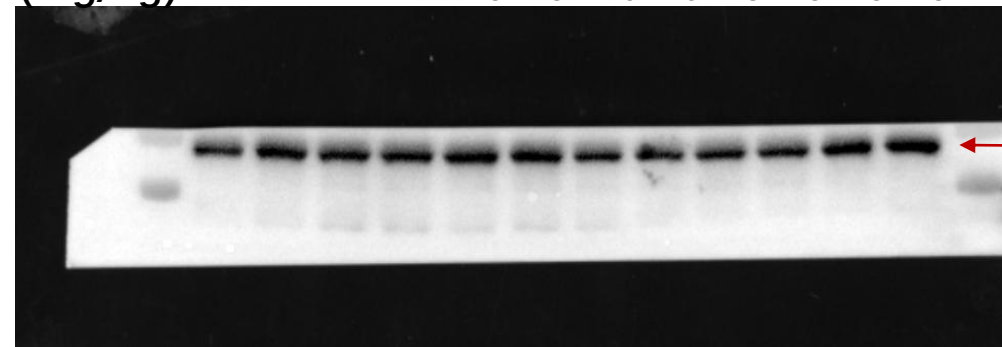
70kDa

55kDa

65kDa

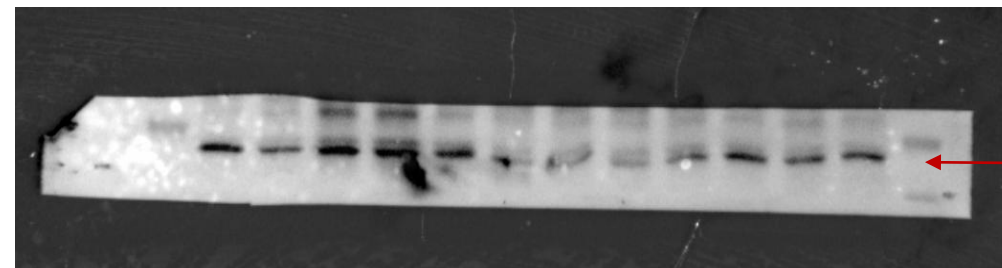
DSS	-	-	+	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15	15

I κ B α

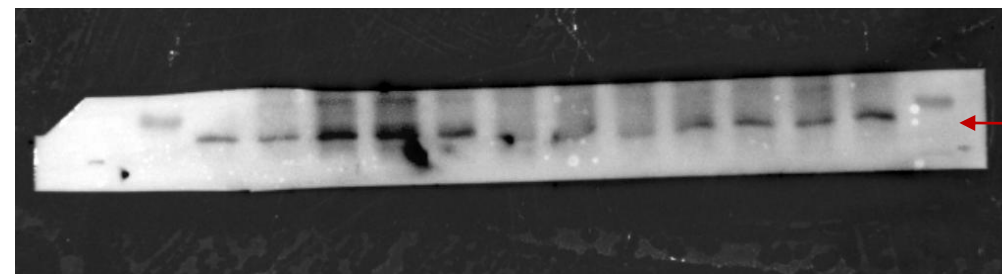


39kDa
35kDa

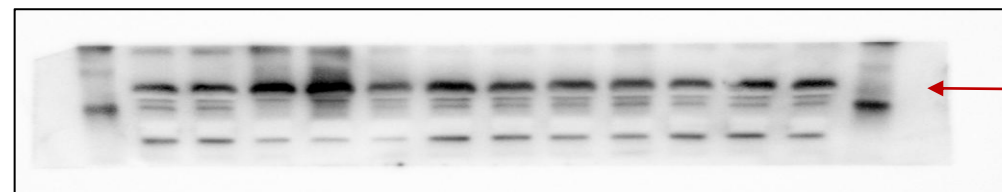
p-I κ B α



40kDa
35kDa



40kDa
35kDa



40kDa
35kDa

GAPDH

DSS	-	-	+	+	+	+	+	+	+	+	-	-
AB4(mg/kg)	-	-	-	-	5	5	10	10	15	15	15	15

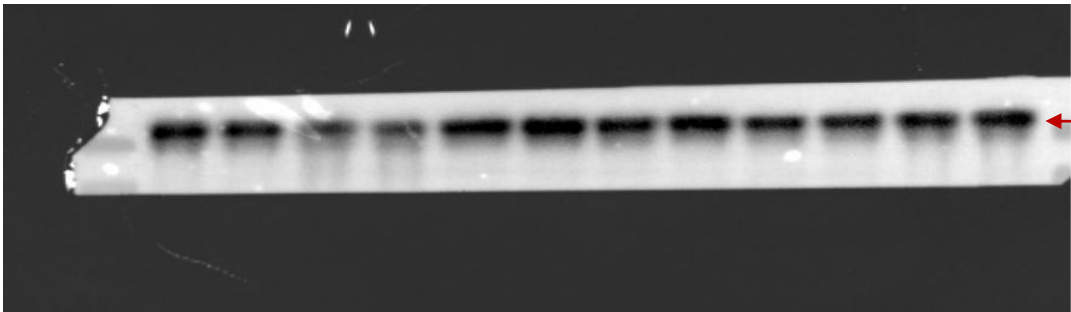
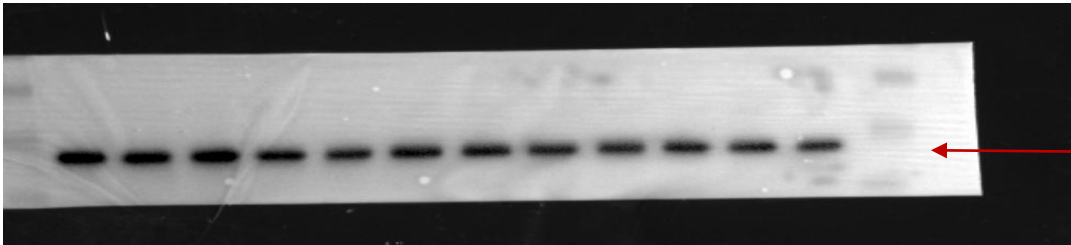


Fig.S5

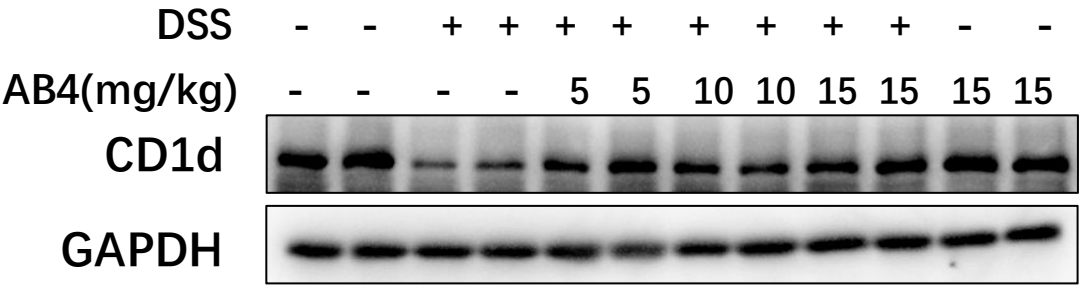
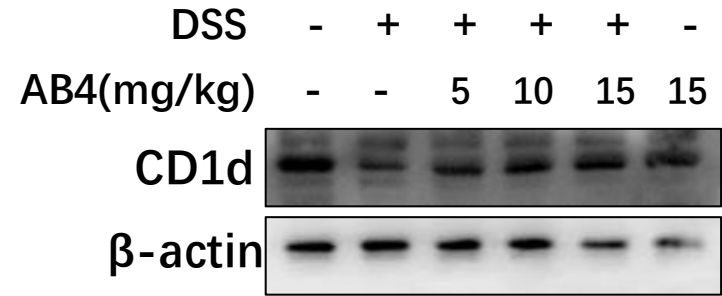
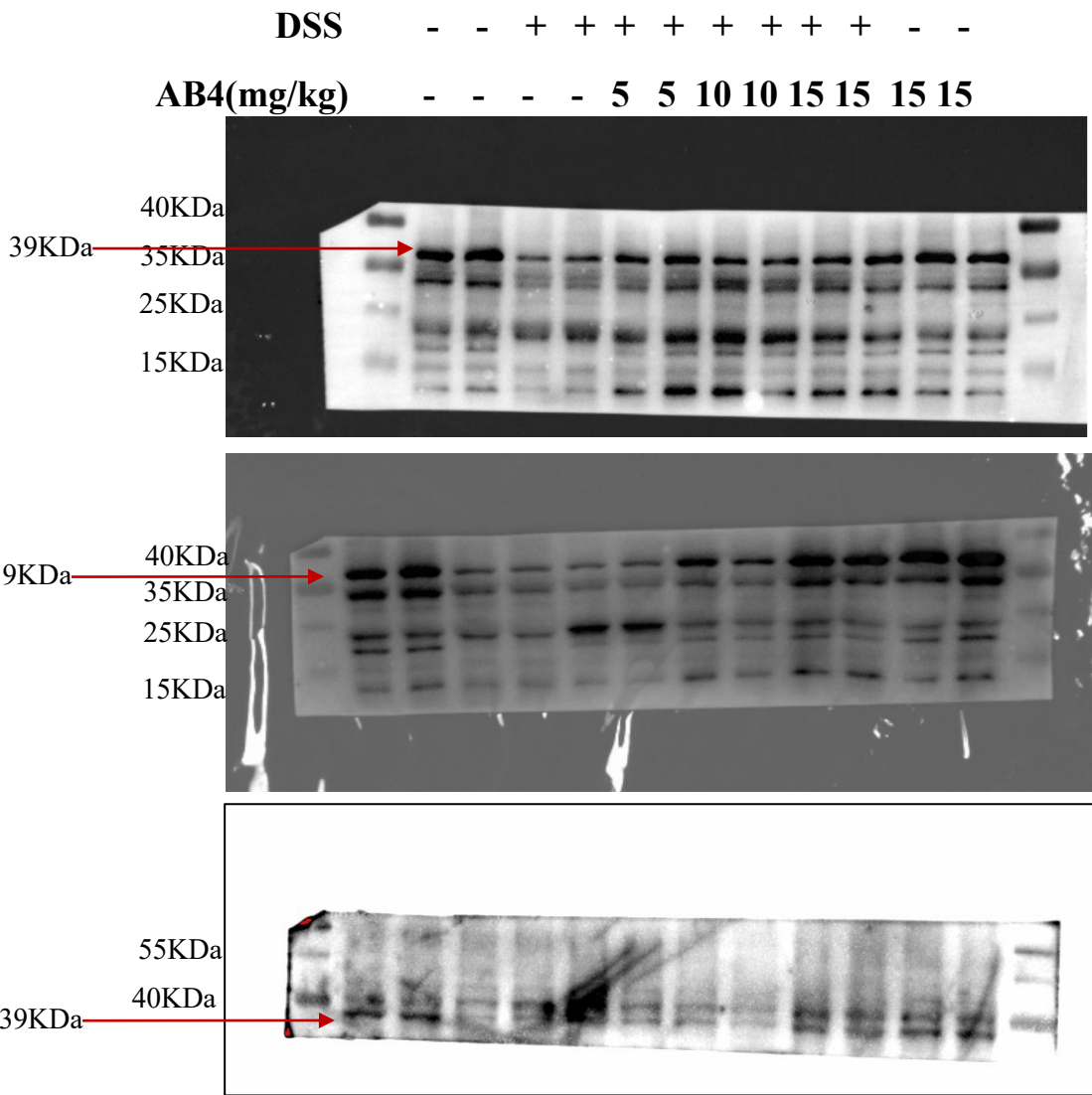


Fig.7 A



CD1d

colonic homogenates



colonic macrophages

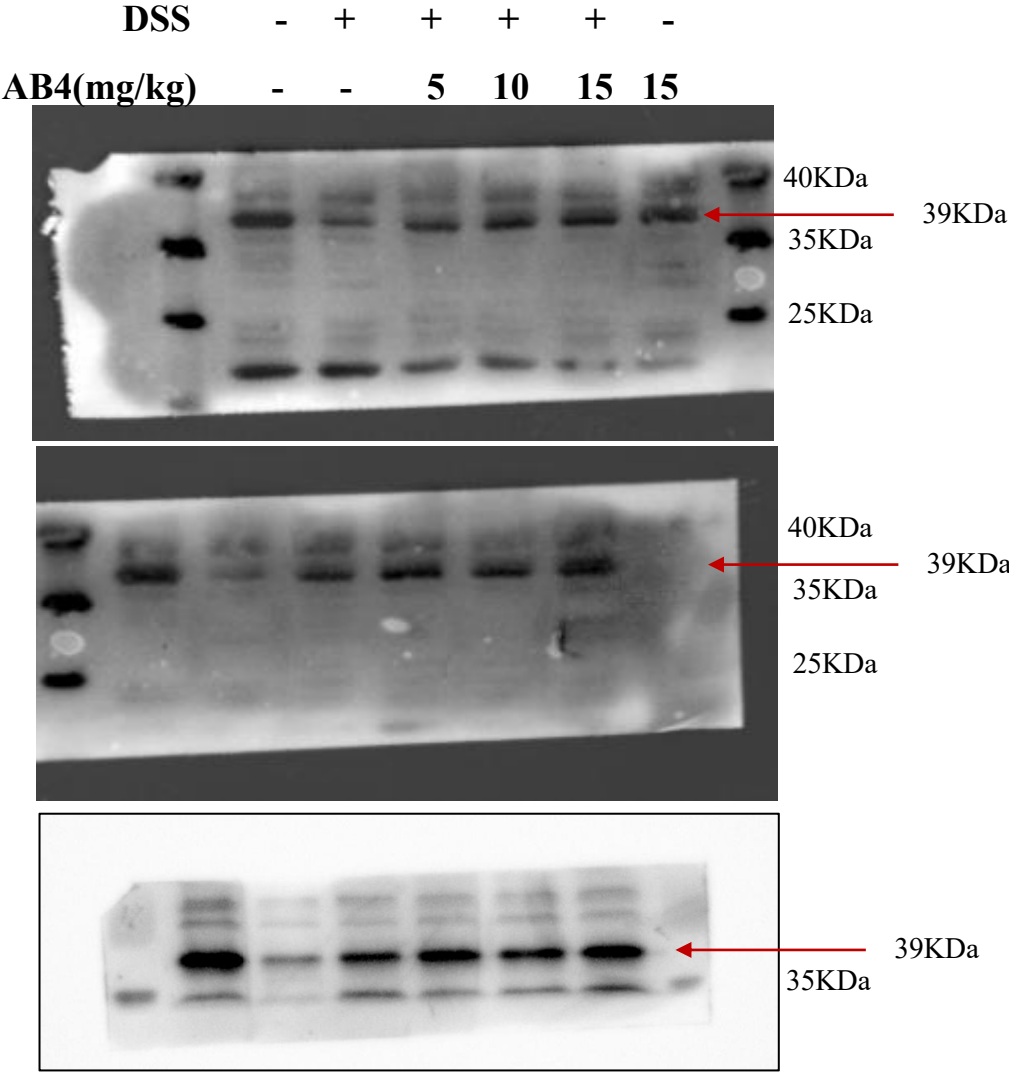


Fig.S3

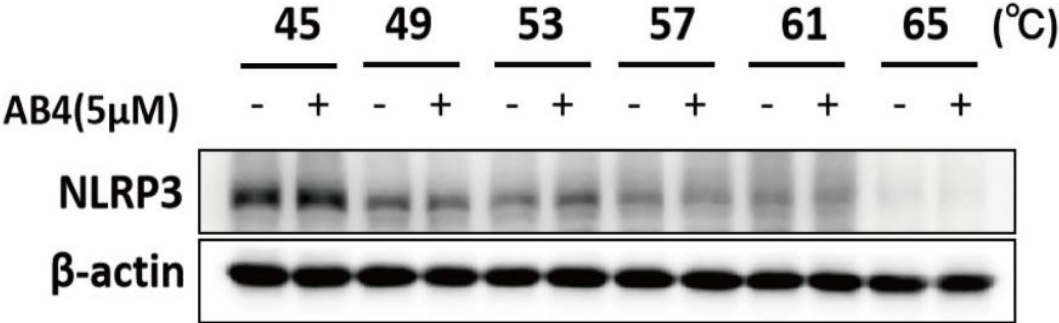
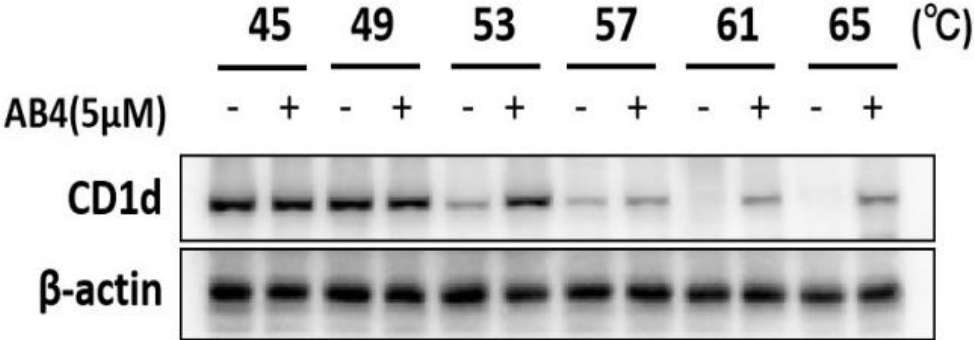
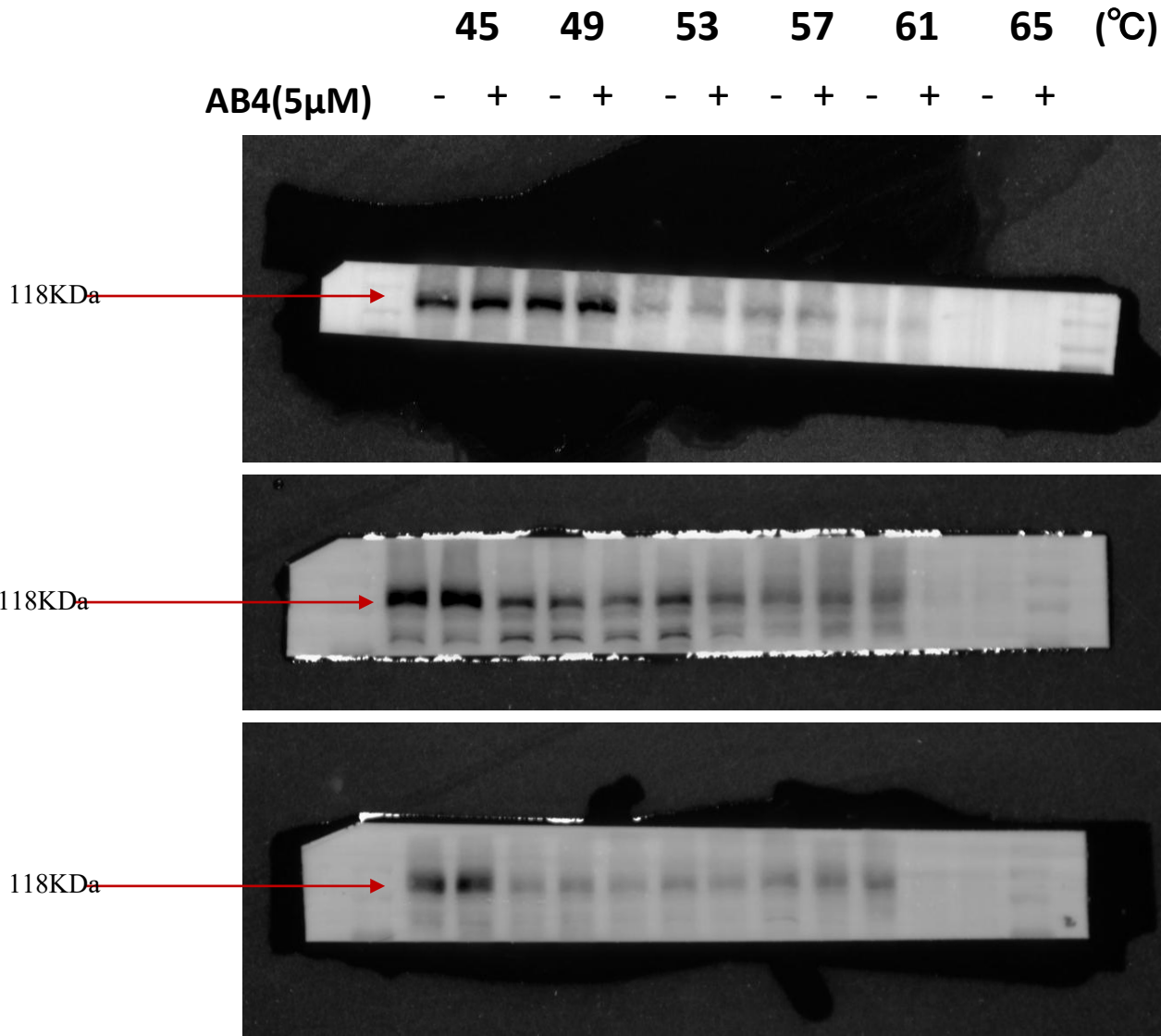


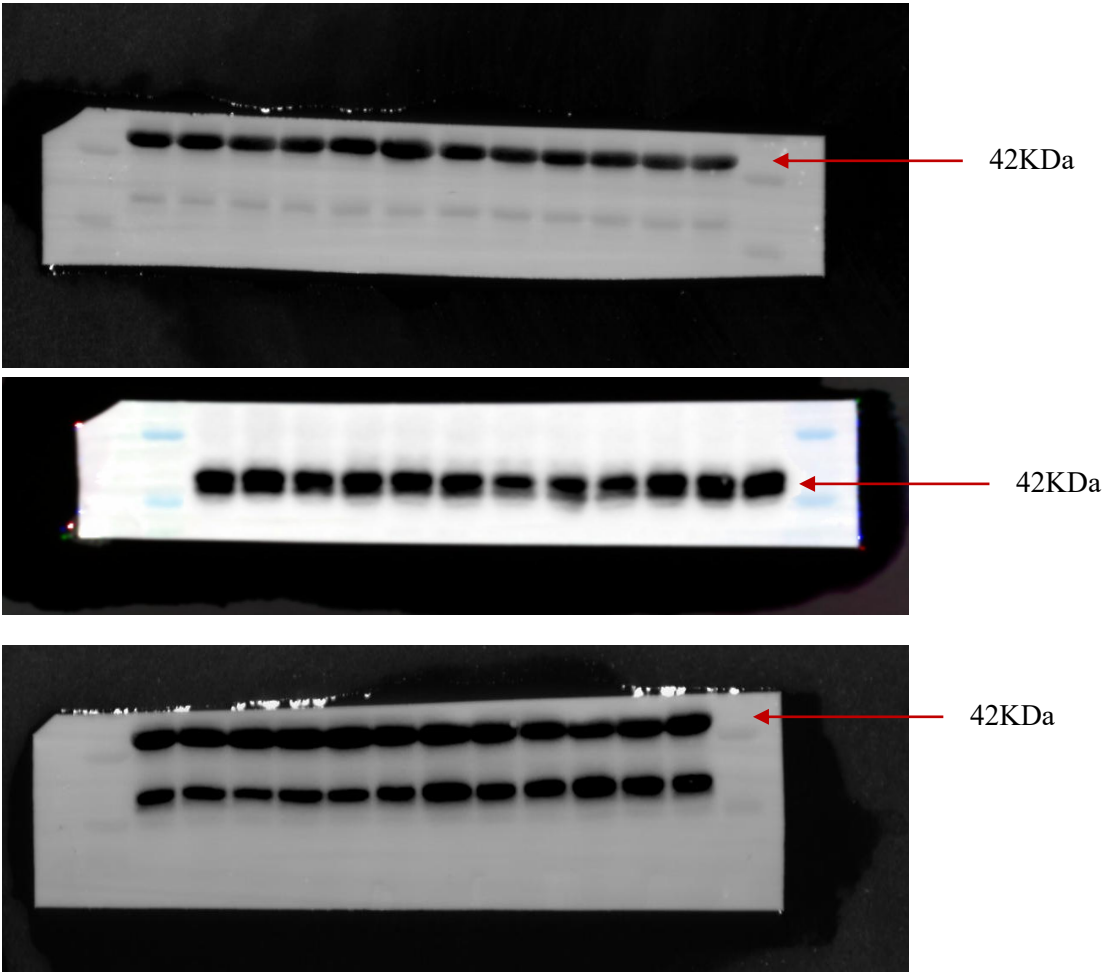
Fig.7 D



NLRP3



β-actin



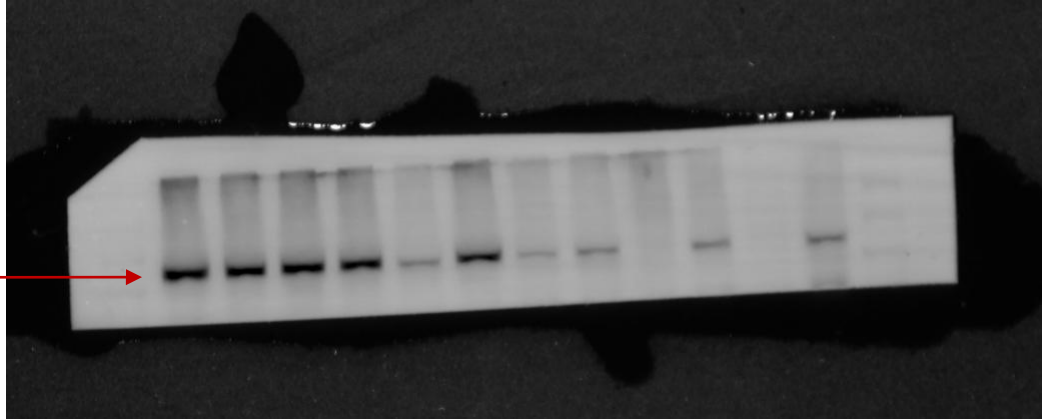
CD1d

45 49 53 57 61 65 (°C)

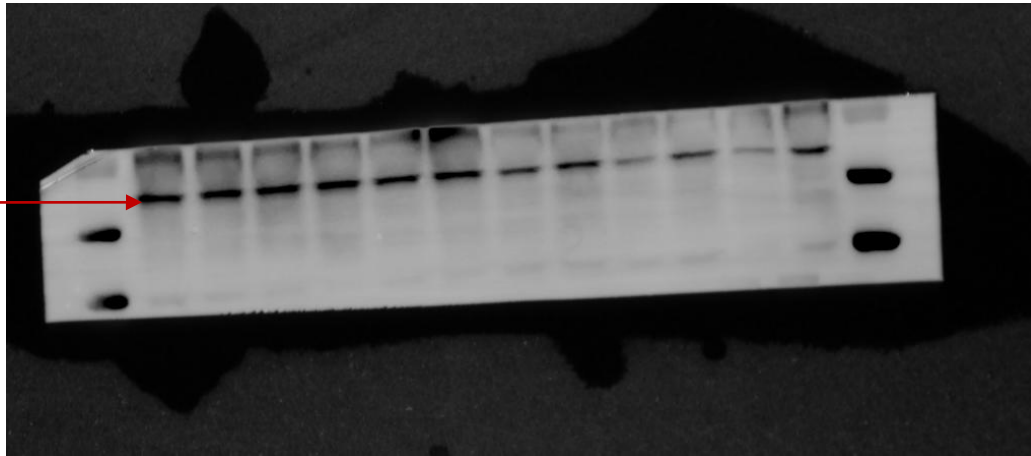
AB4(5μM) - + - + - + - + - + - +

β-actin

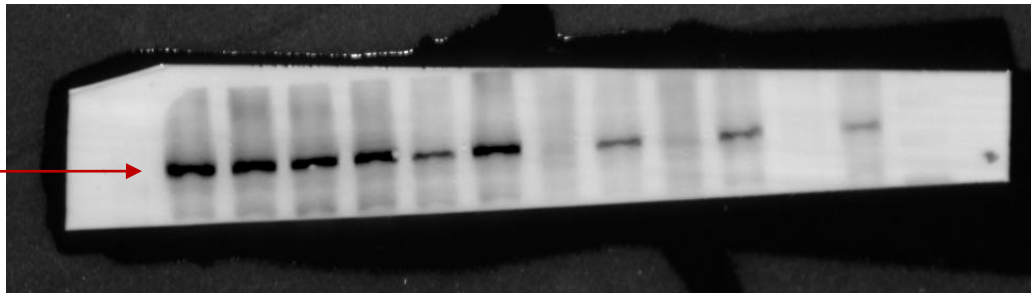
39KDa



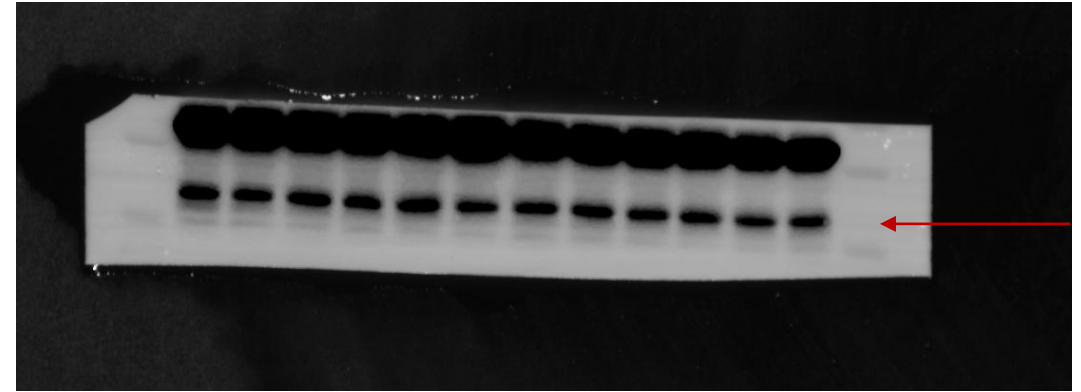
39KDa



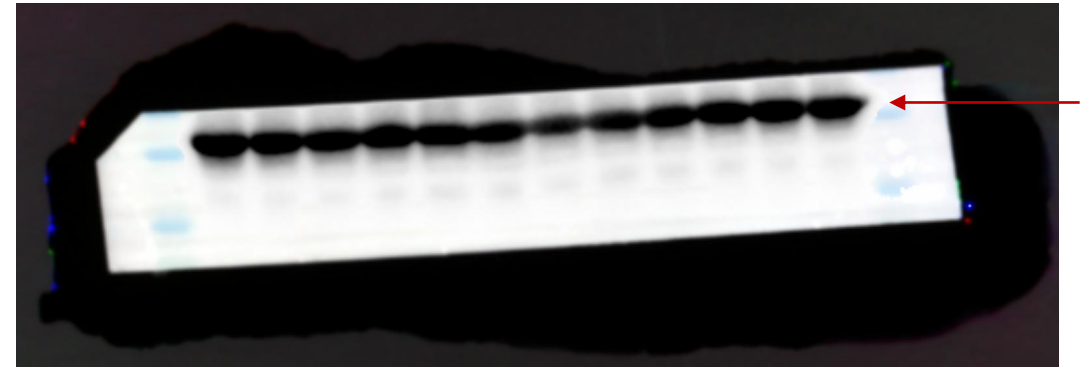
39KDa



42KDa



42KDa



42KDa

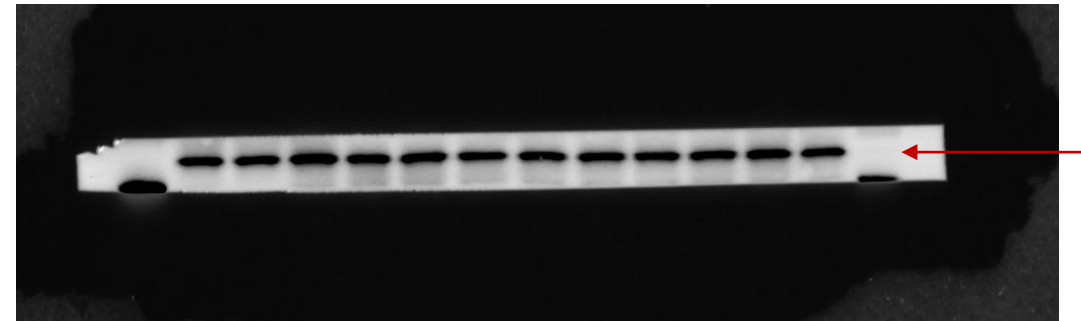
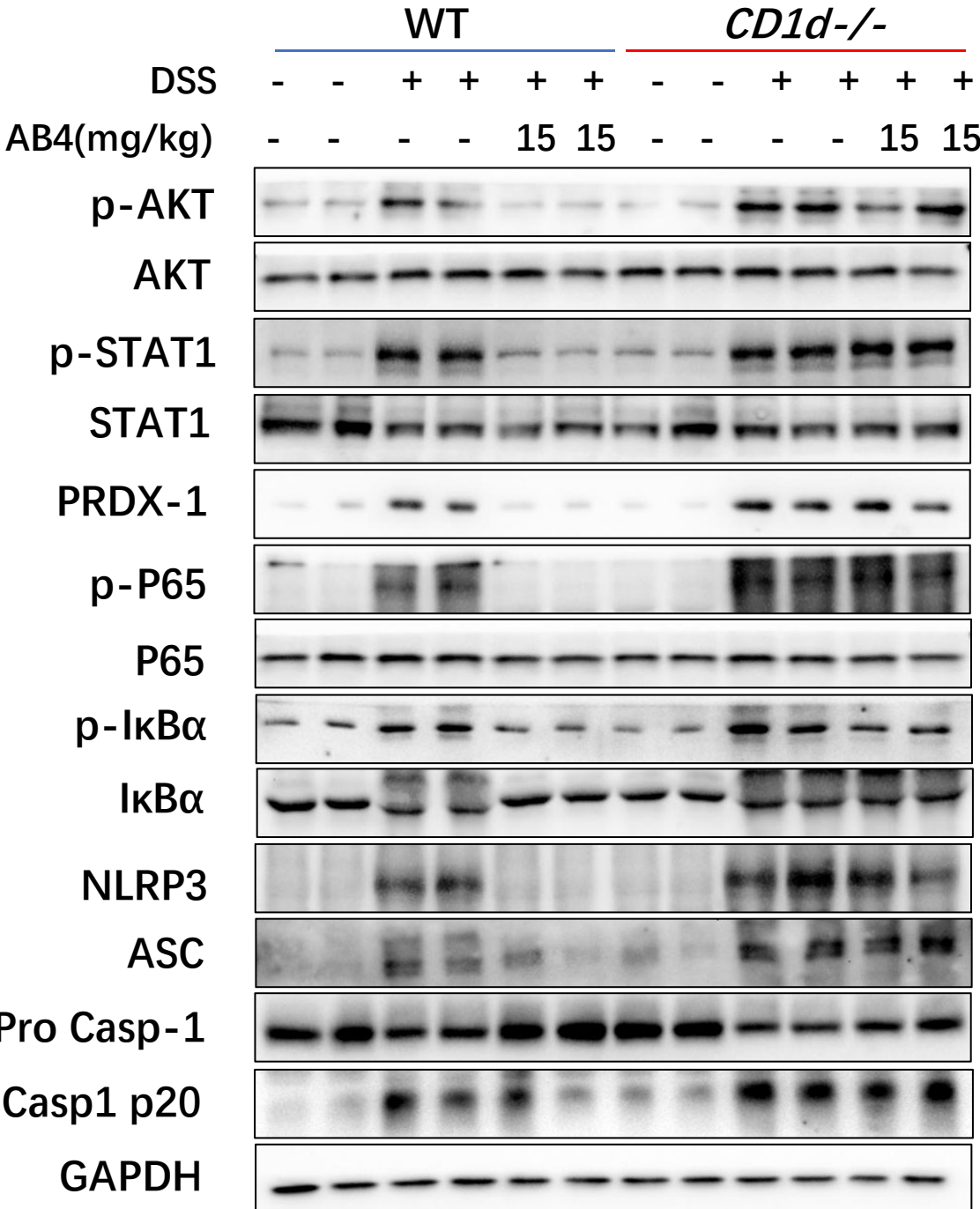
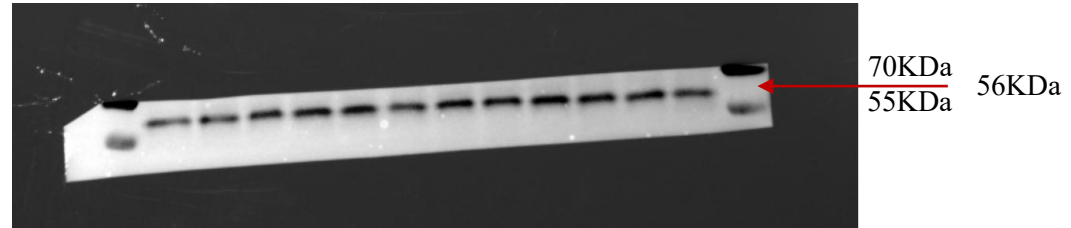


Fig.8 G

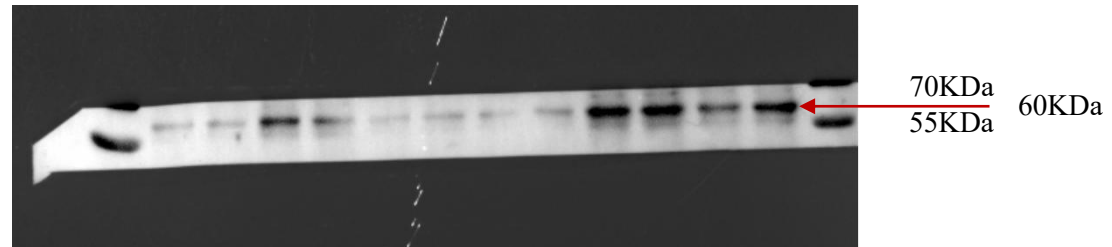
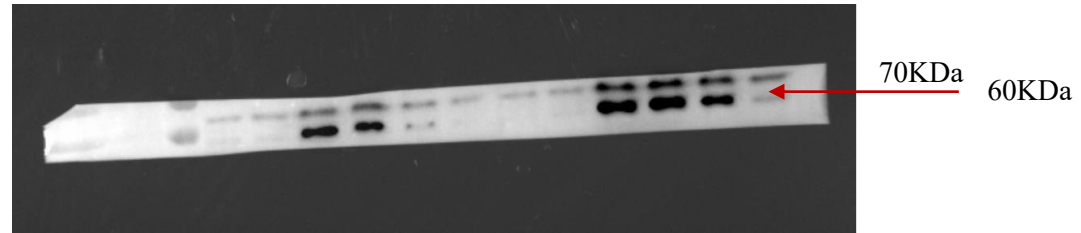
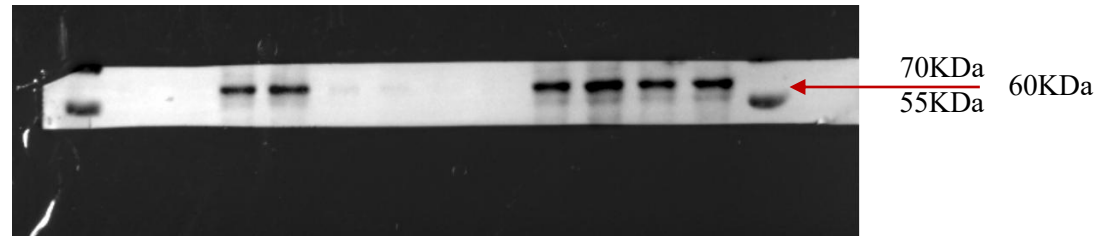


		<u>WT</u>						<u><i>CD1d</i>^{-/-}</u>					
DSS	-	-	+	+	+	+	-	-	+	+	+	+	
AB4(mg/kg)	-	-	-	-	15	15	-	-	-	-	15	15	

AKT

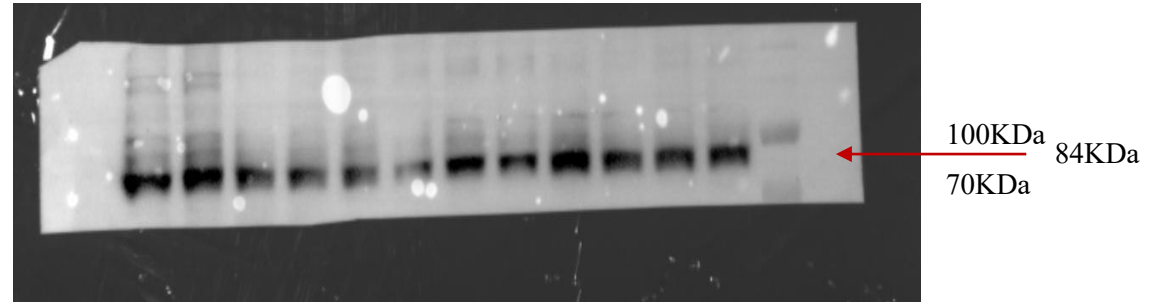


p-AKT

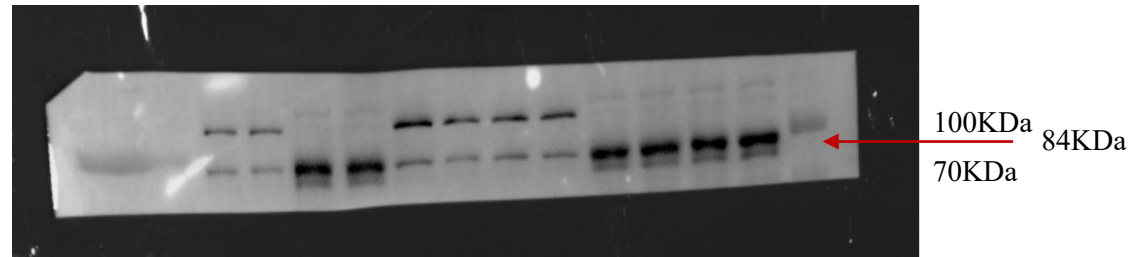
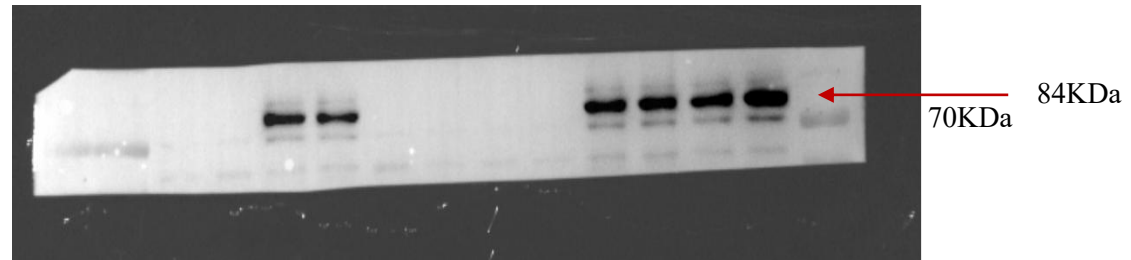
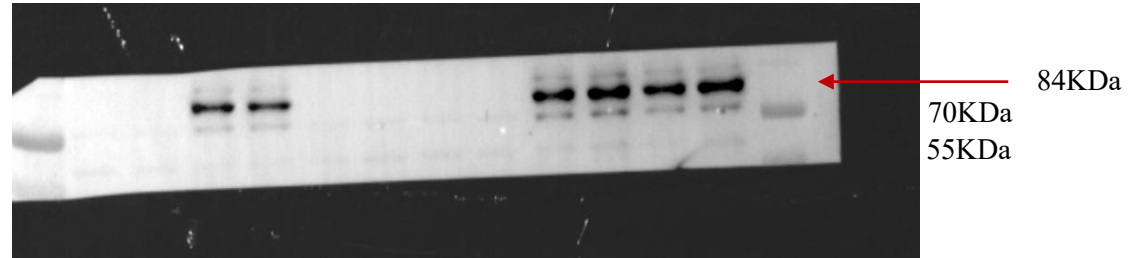


	WT						<i>CD1d</i> ^{-/-}					
DSS	-	-	+	+	+	+	-	-	+	+	+	+
AB4(mg/kg)	-	-	-	-	15	15	-	-	-	-	15	15

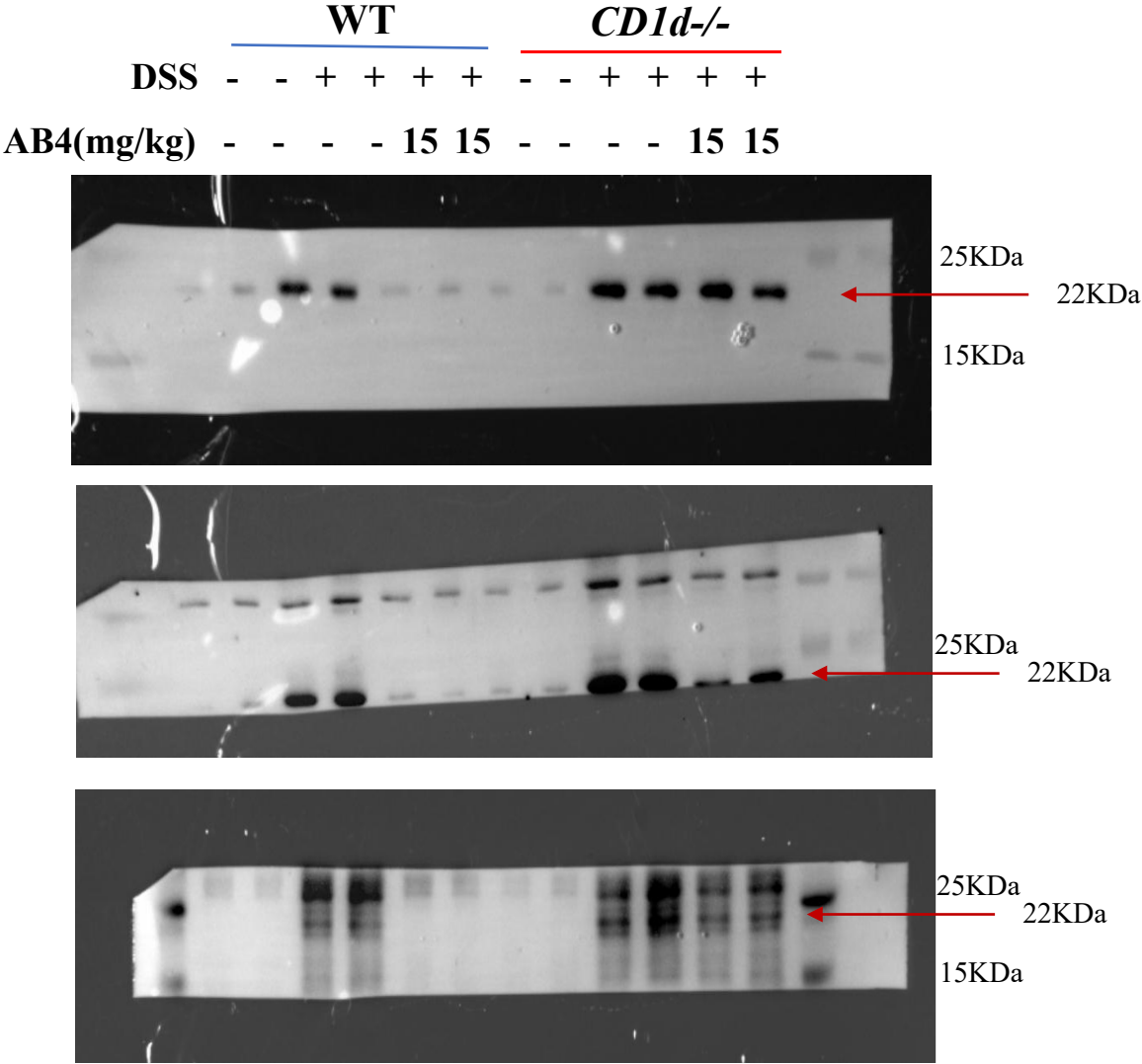
STAT1



p-STAT1

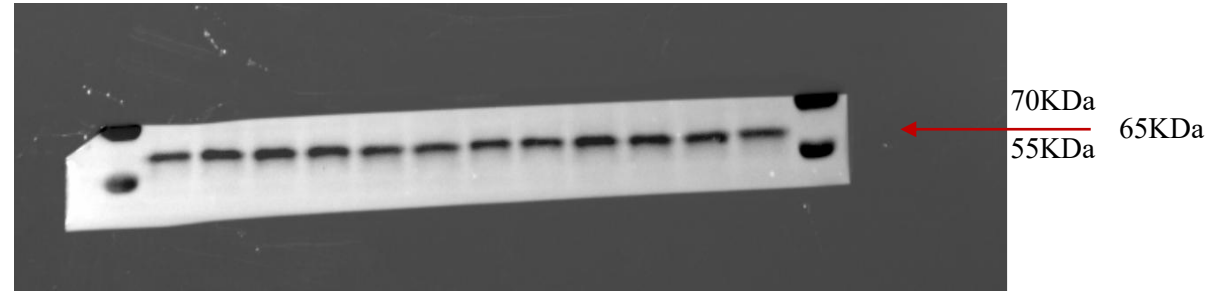


PRDX1

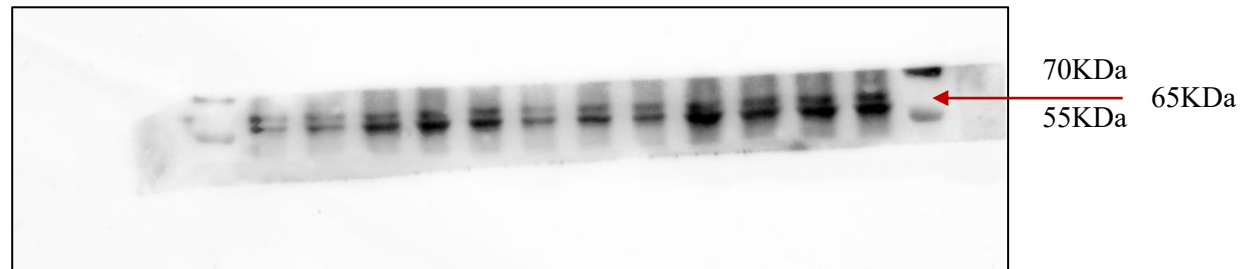
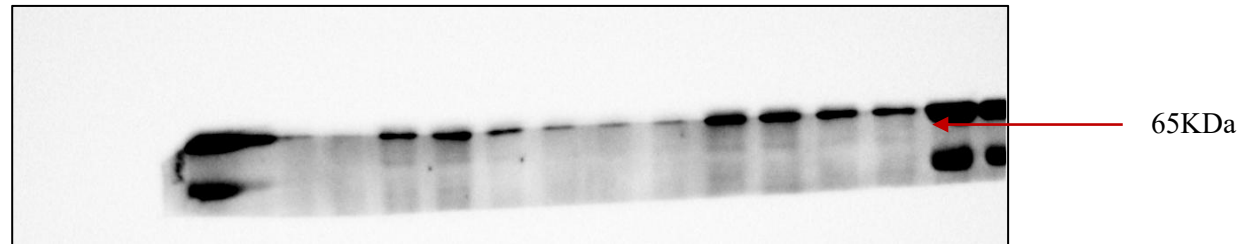
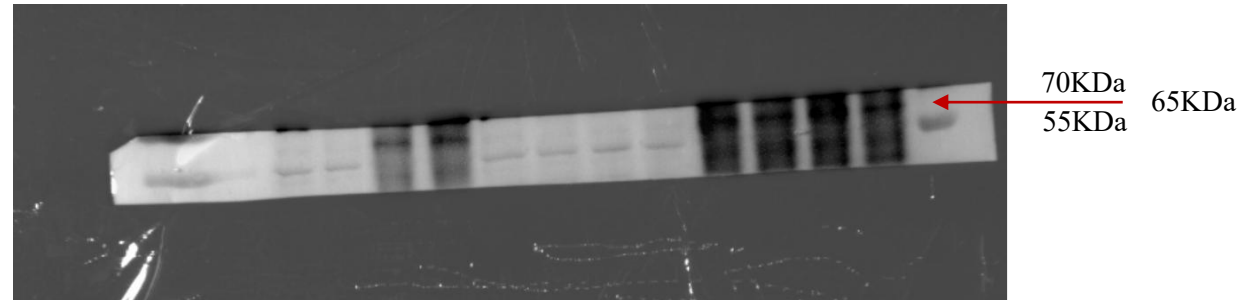


	WT						<i>CD1d</i> ^{-/-}					
DSS	-	-	+	+	+	+	-	-	+	+	+	+
AB4(mg/kg)	-	-	-	-	15	15	-	-	-	-	15	15

P65

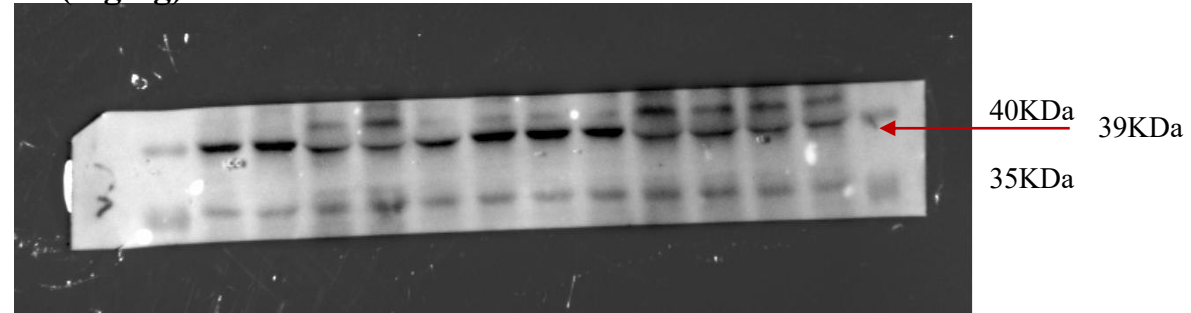


p-P65

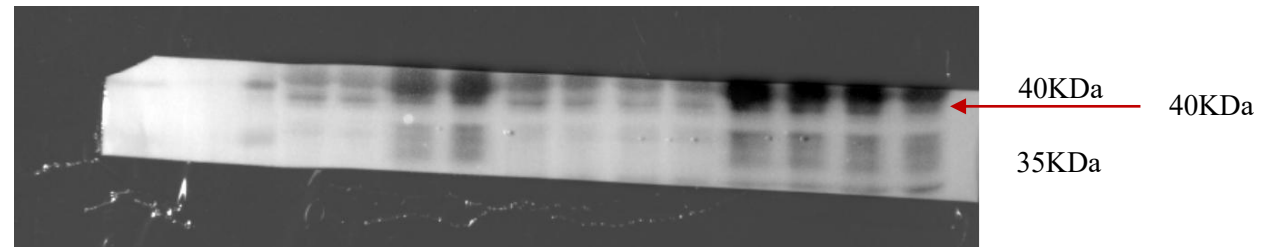
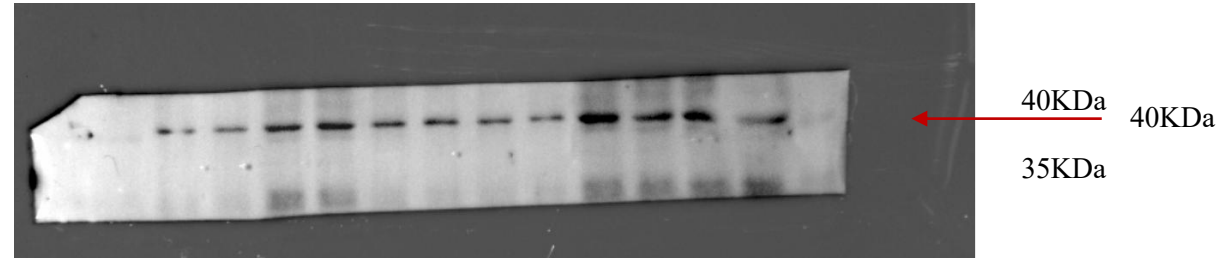
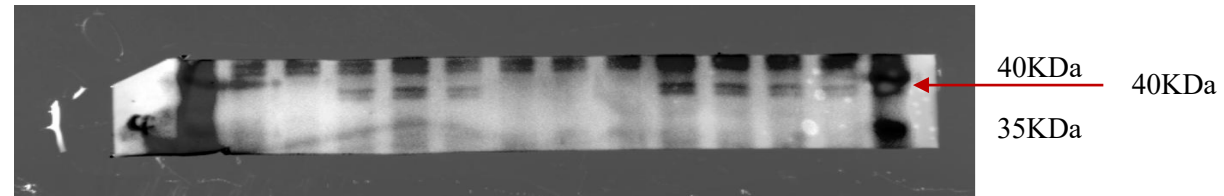


		WT						<i>CD1d</i>^{-/-}					
DSS	-	-	+	+	+	+	-	-	+	+	+	+	
AB4(mg/kg)	-	-	-	-	15	15	-	-	-	-	15	15	

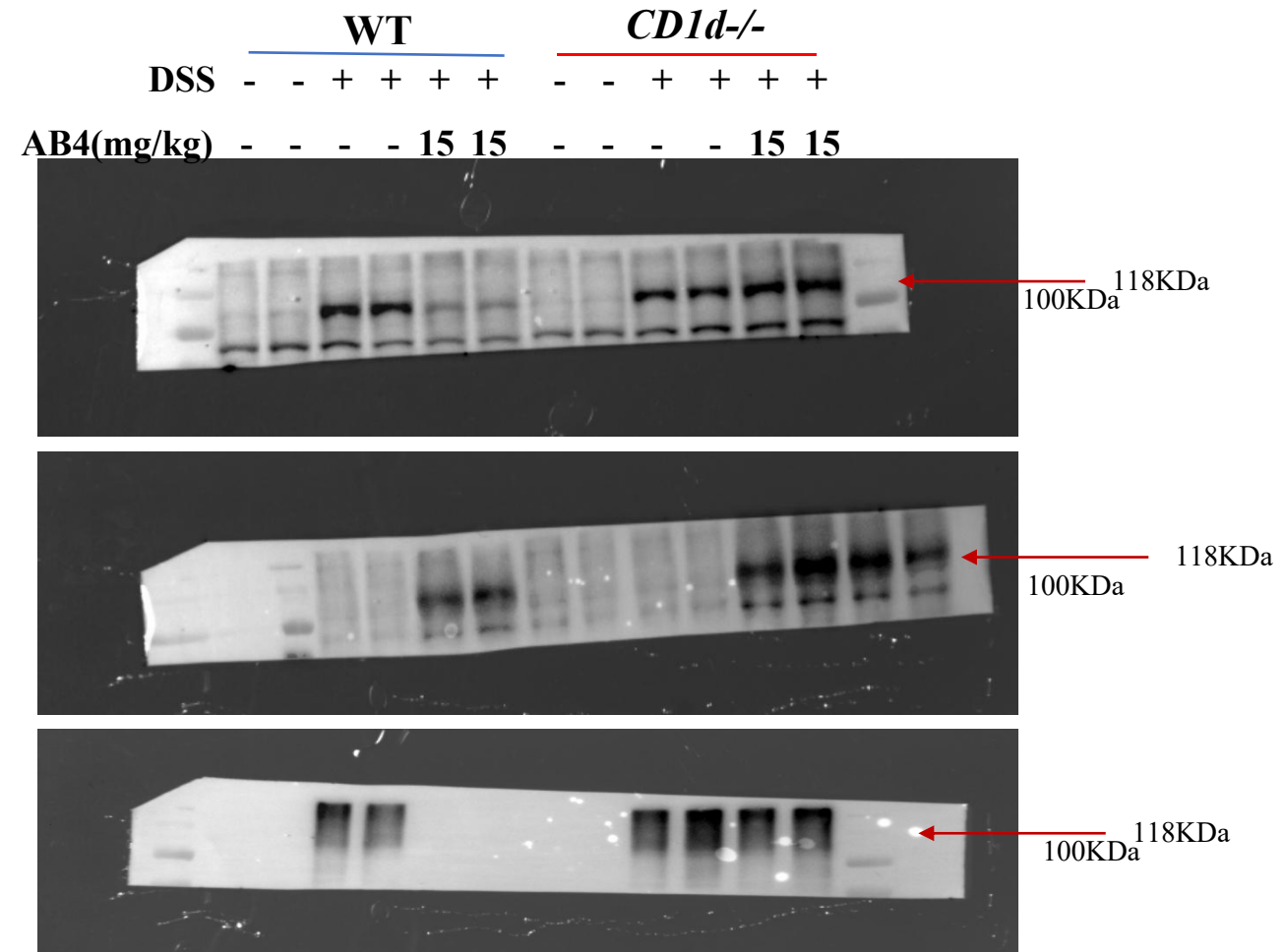
I κ B α



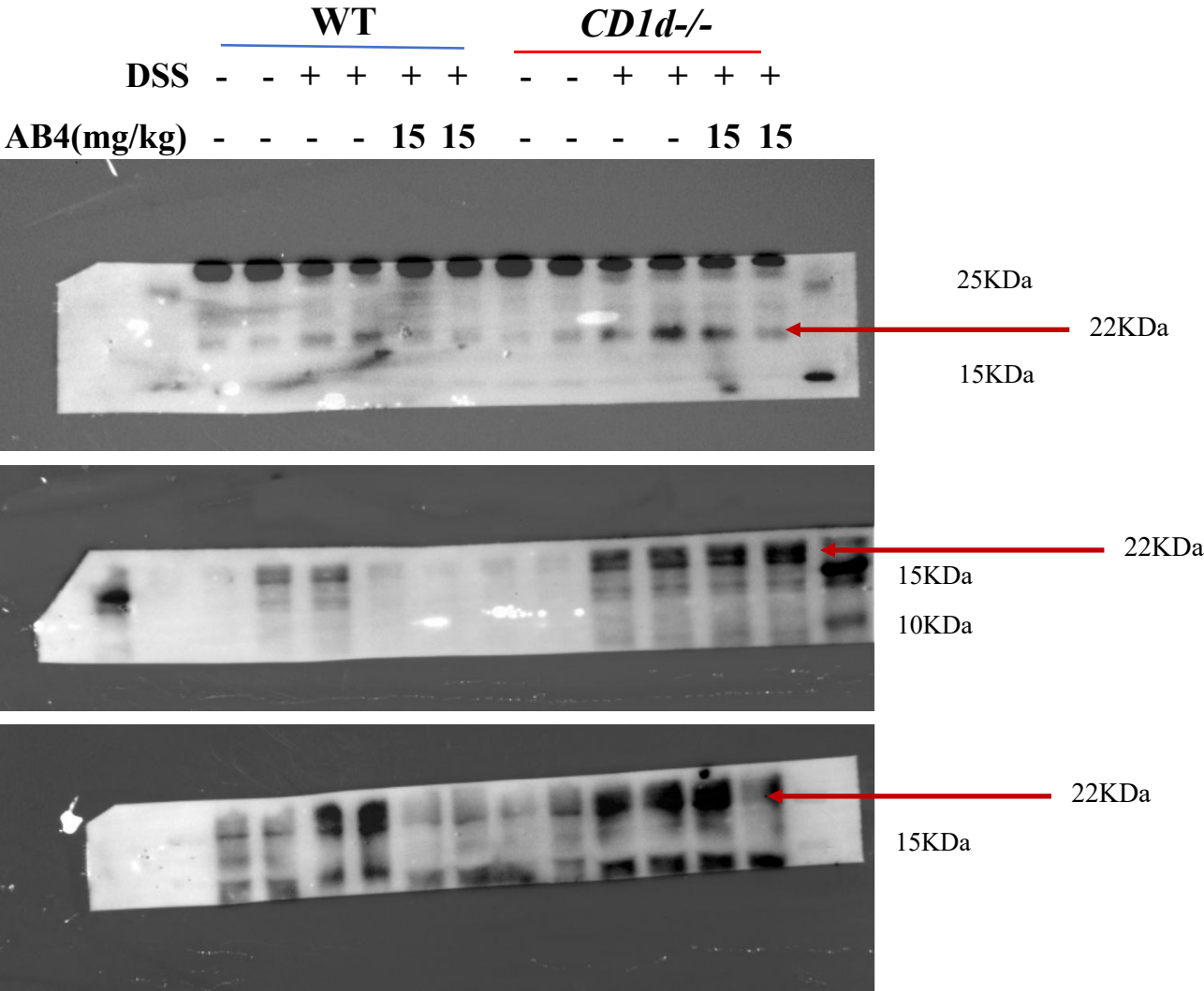
p-I κ B α



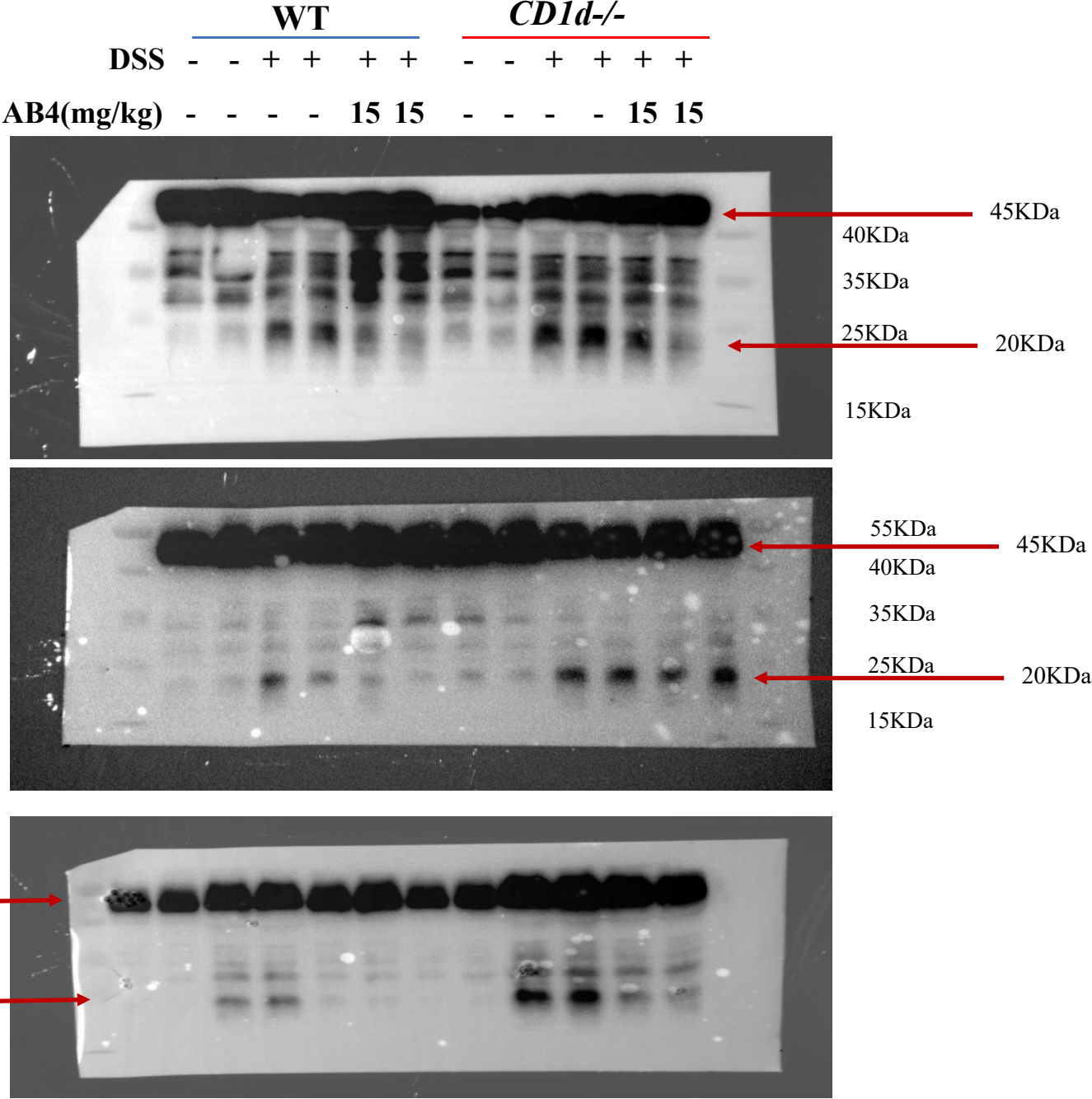
NLRP3



ASC



Caspase-1



GAPDH

