Figure3

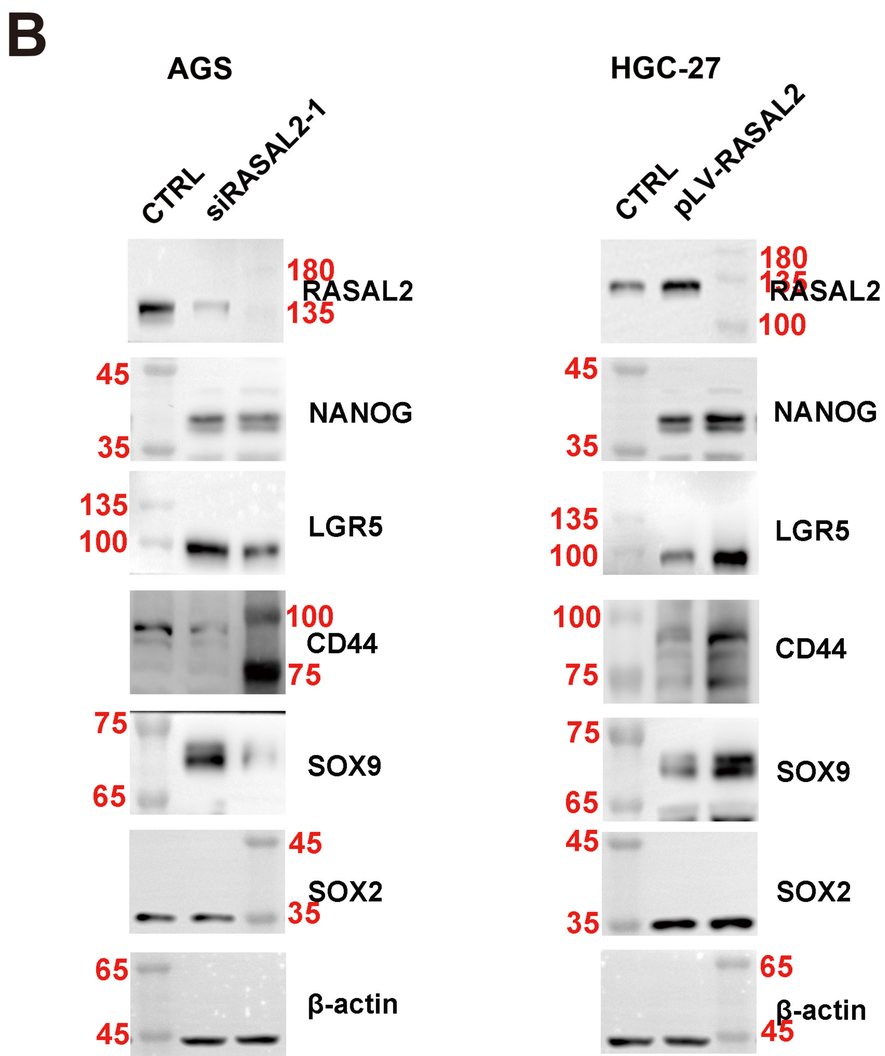
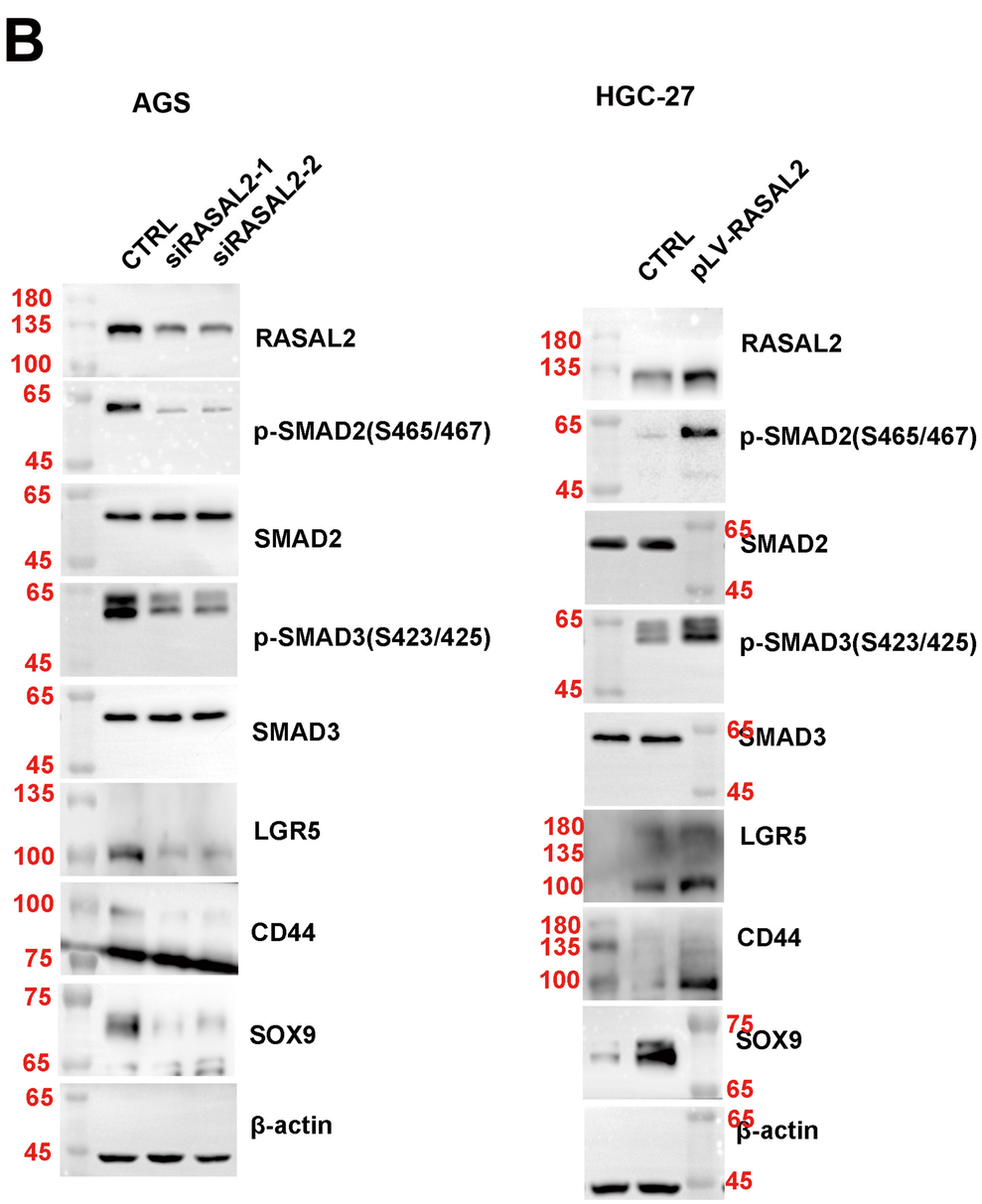
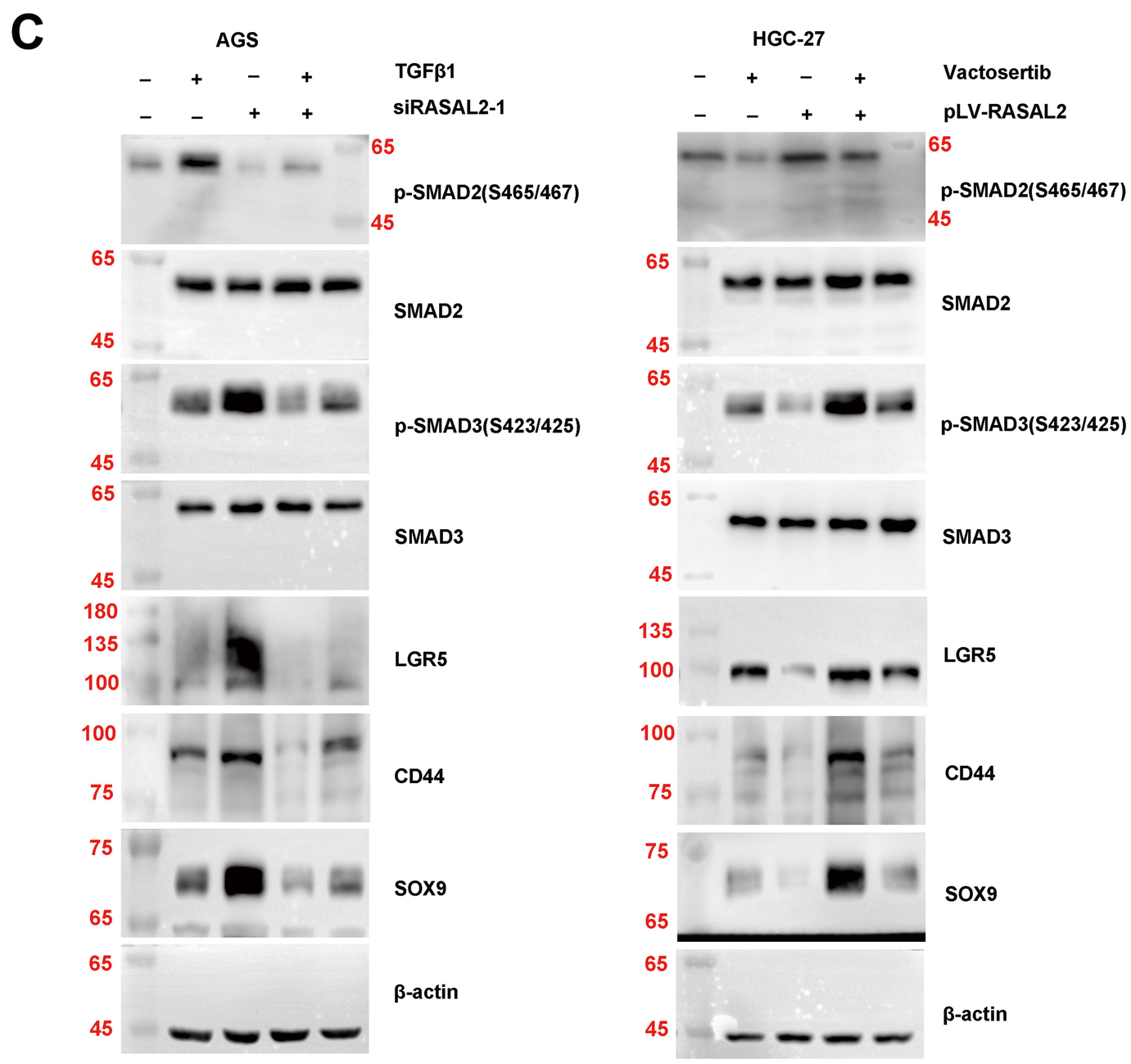


Figure4





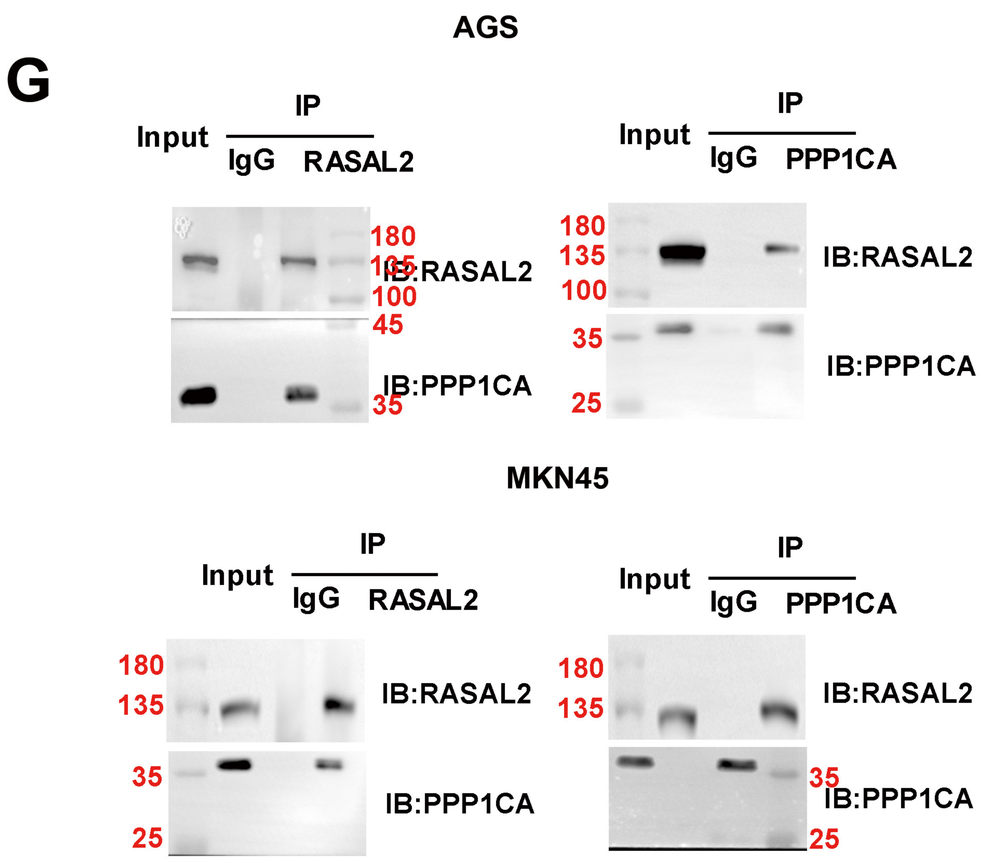


Figure5

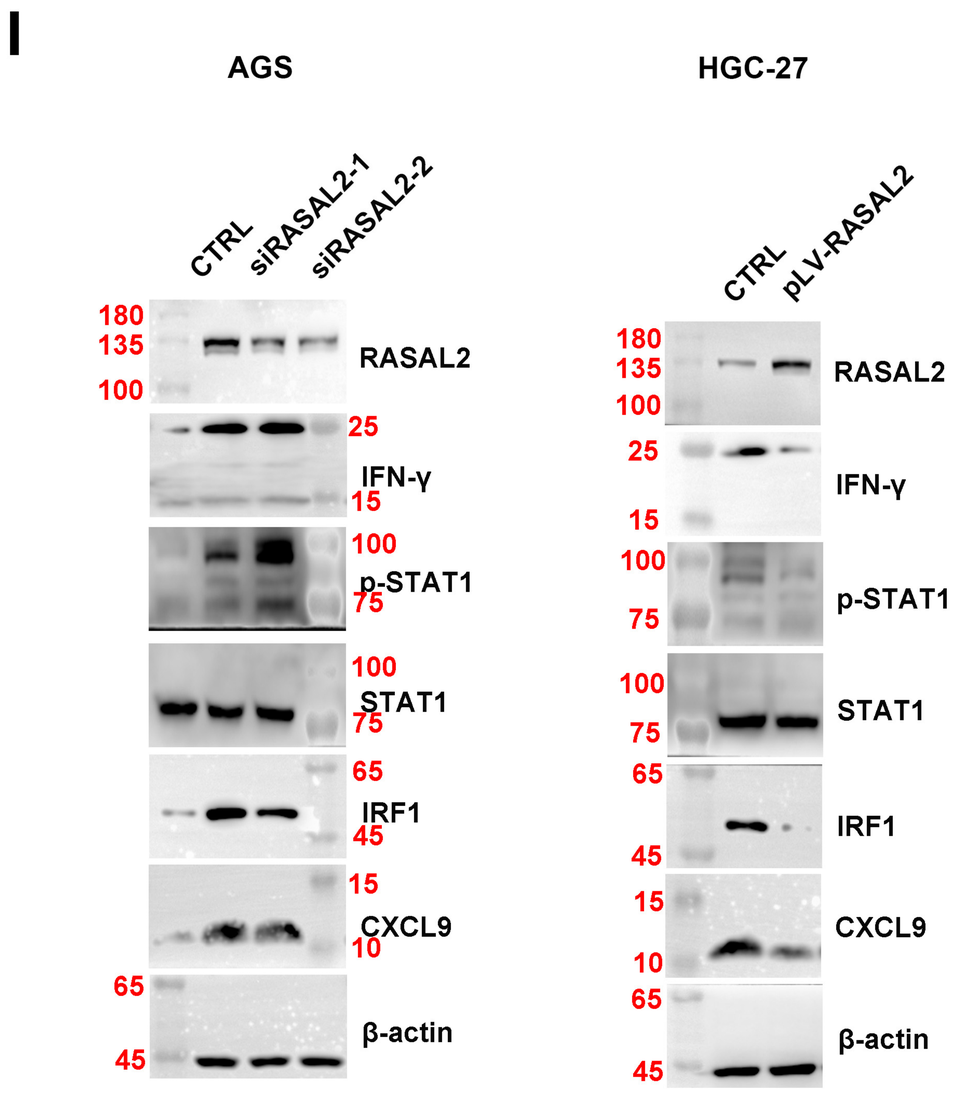
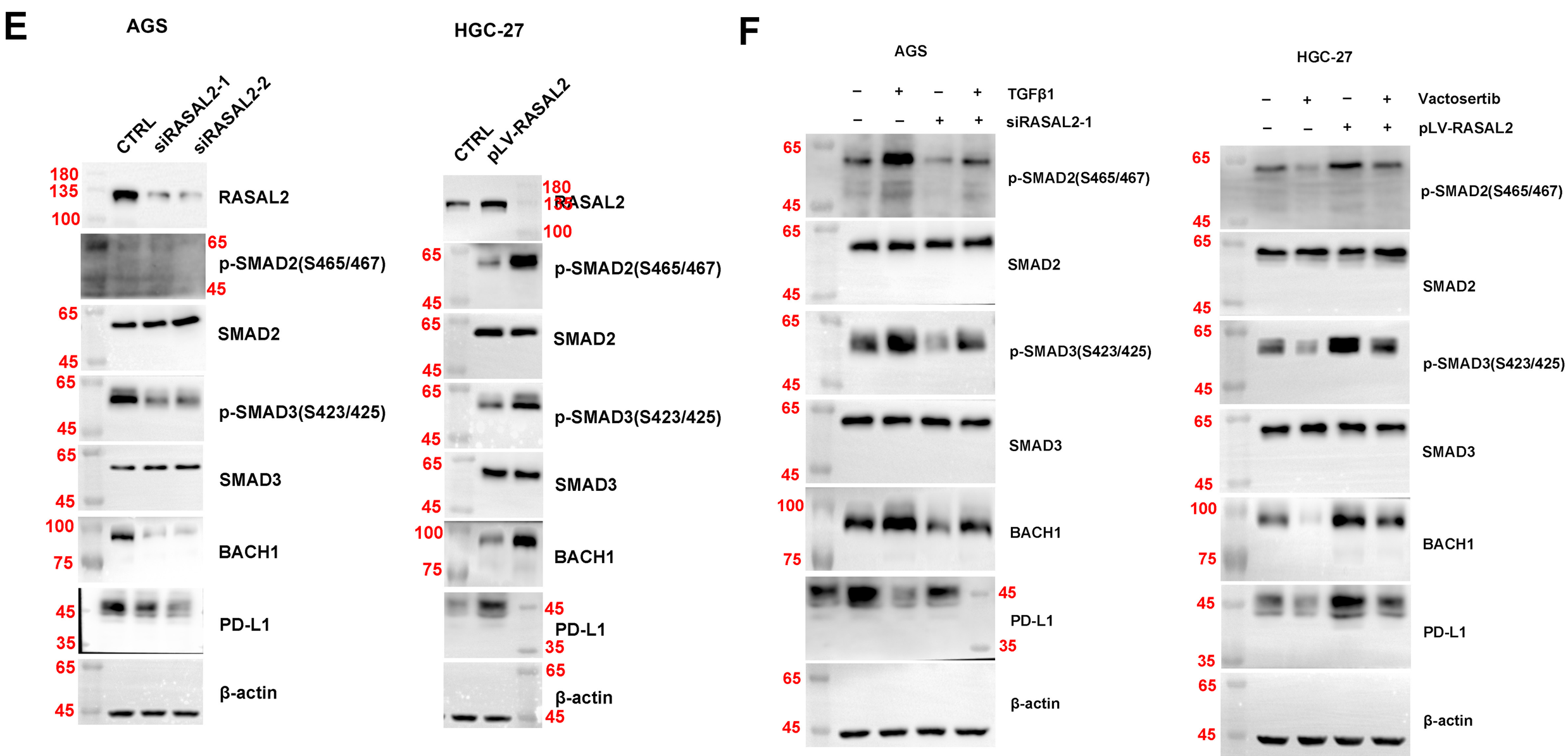
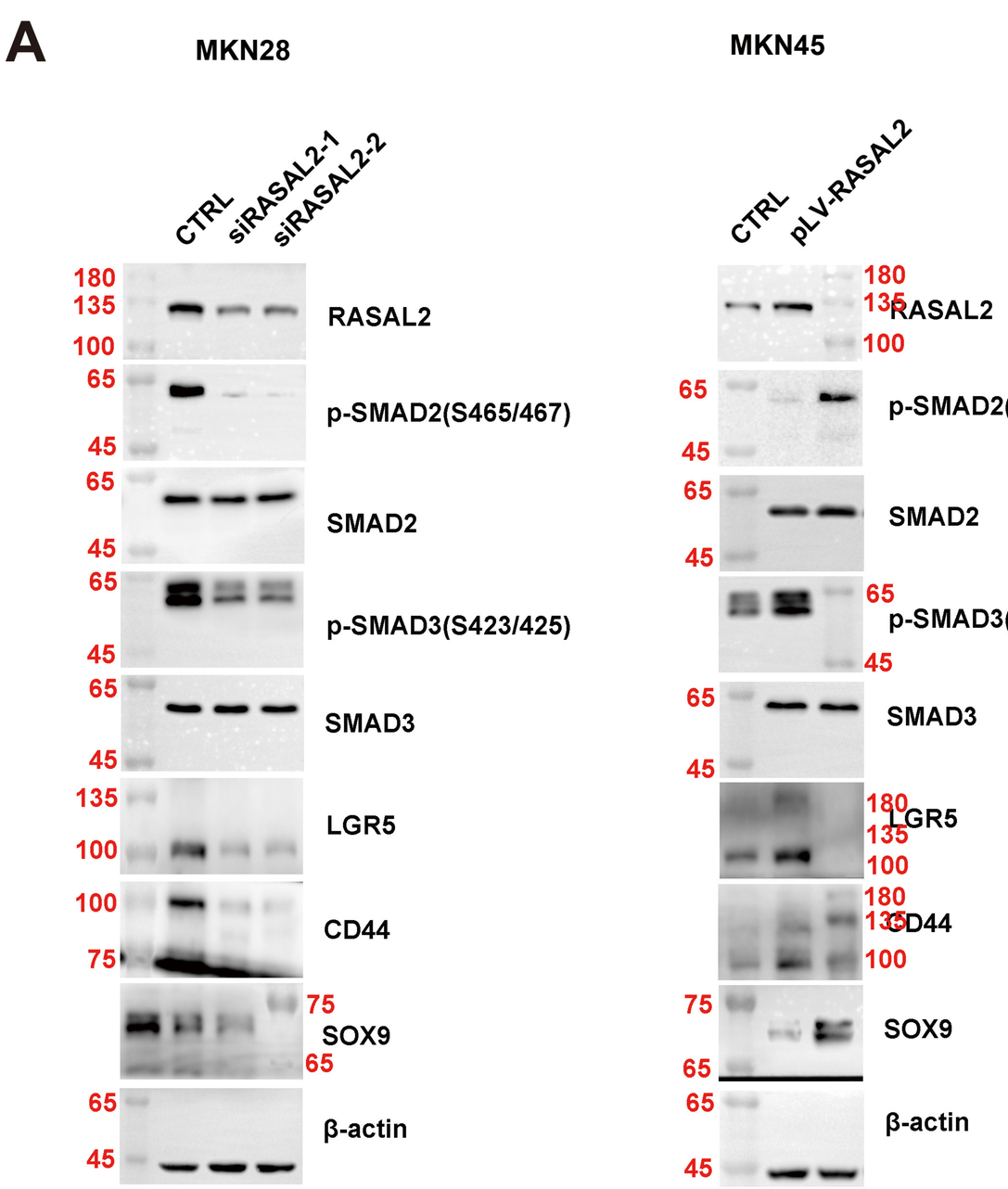
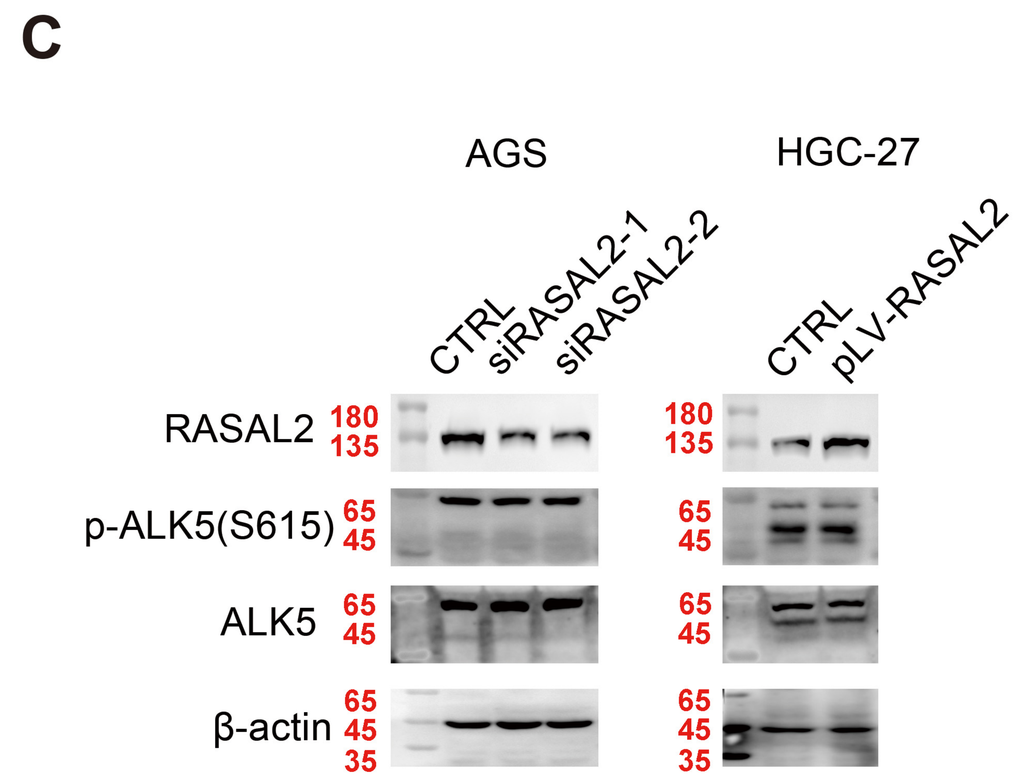


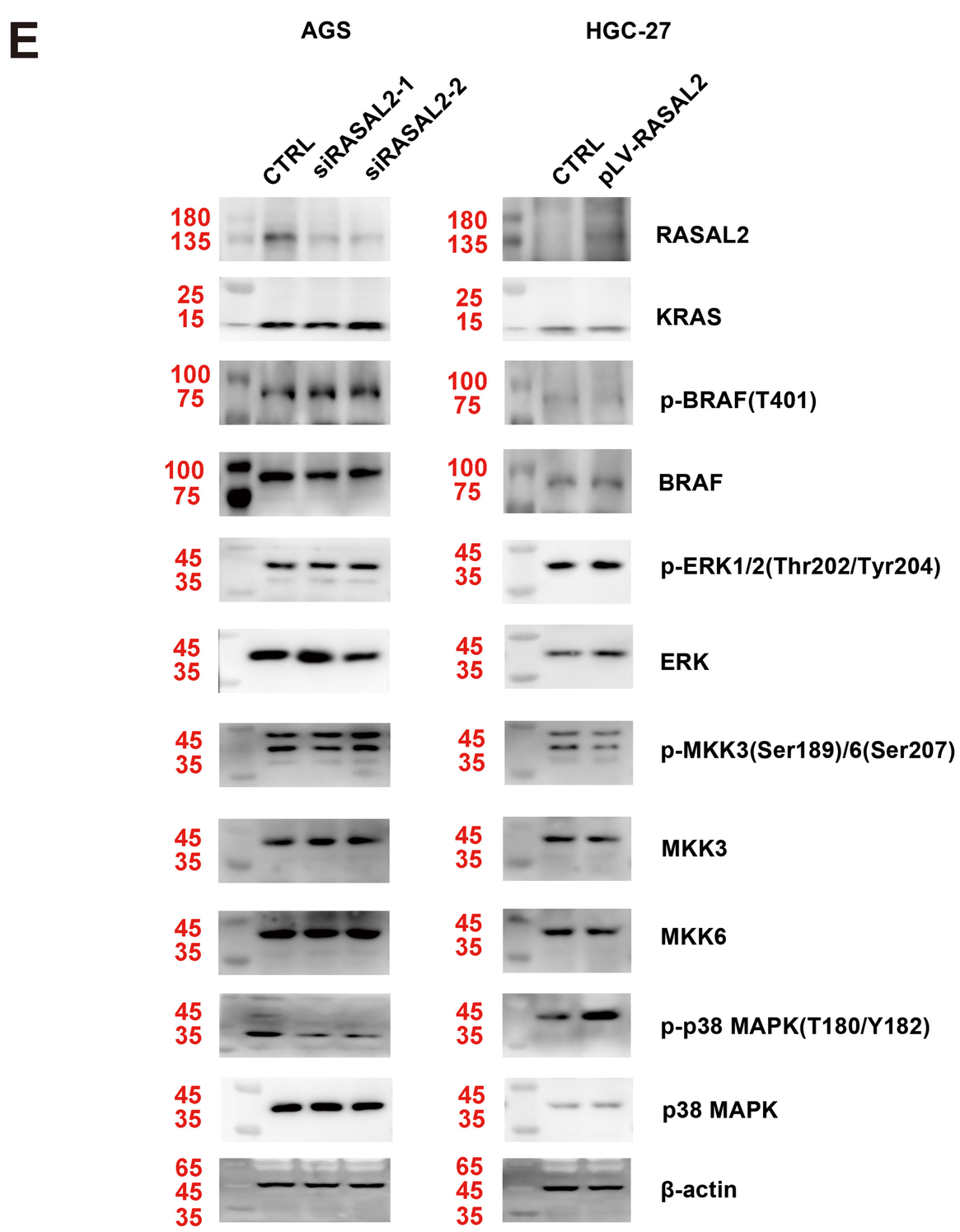
Figure6

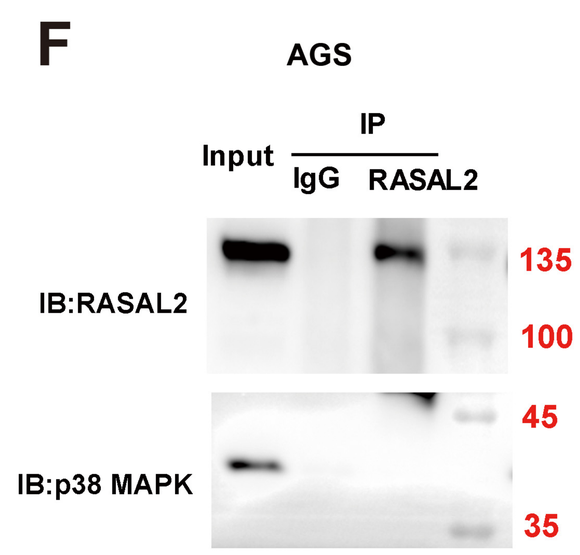


sFigure4


A
MKN28
CTRL
siRASAL2-1
siRASAL2-2
RASAL2
p-SMAD2(S465/467)
SMAD2
p-SMAD3(S423/425)
SMAD3
LGR5
CD44
SOX9
β-actin
MKN45
CTRL
pLV-RASAL2
RASAL2
p-SMAD2(S465/467)
SMAD2
p-SMAD3(S423/425)
SMAD3
LGR5
CD44
SOX9
β-actin

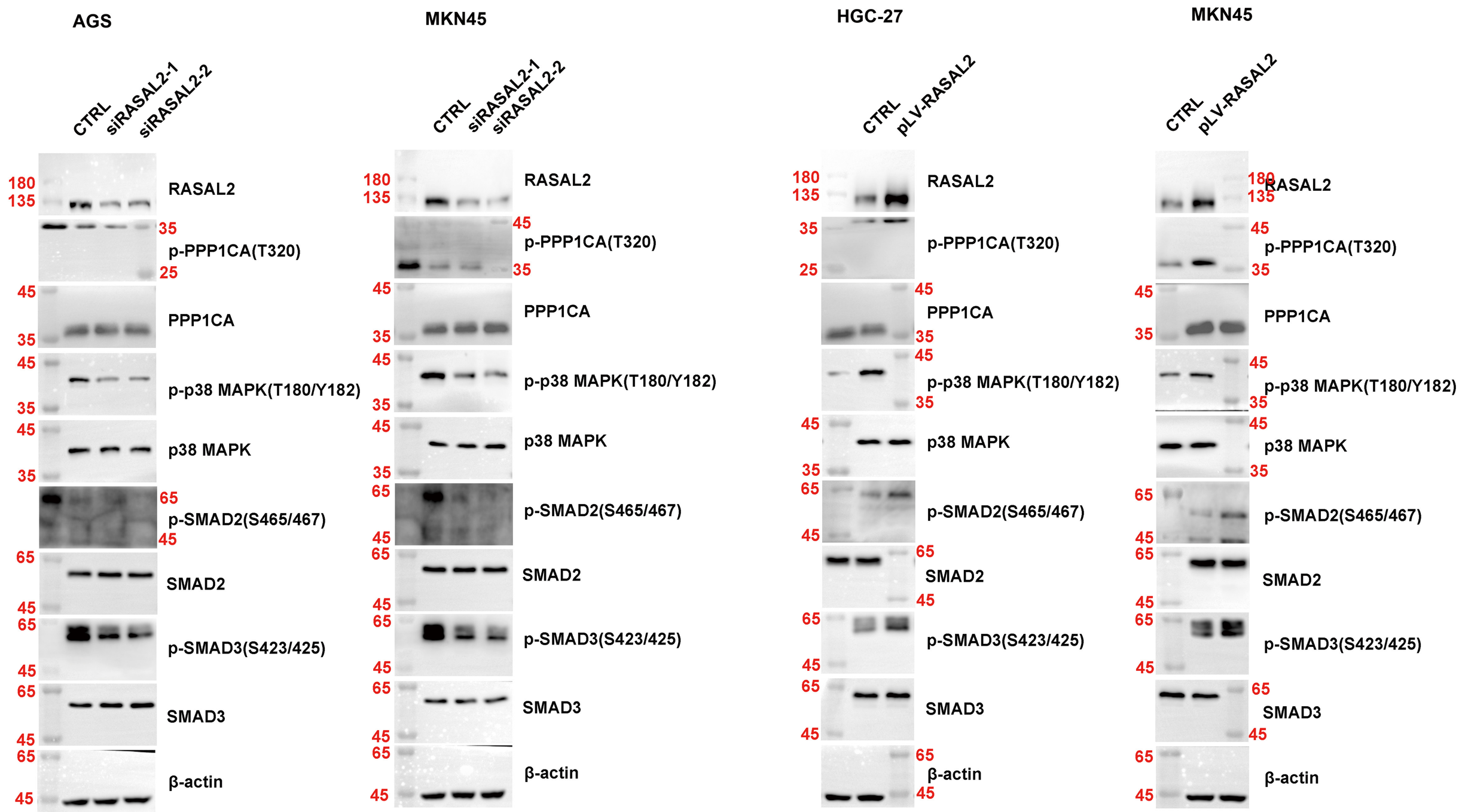

C
AGS
HGC-27
CTRL
siRASAL2-1
siRASAL2-2
CTRL
pLV-RASAL2
RASAL2
p-ALK5(S615)
ALK5
β-actin


E
AGS
HGC-27
CTRL
siRASAL2-1
siRASAL2-2
CTRL
pLV-RASAL2
RASAL2
KRAS
p-BRAF(T401)
BRAF
p-ERK1/2(Thr202/Tyr204)
ERK
p-MKK3(Ser189)/6(Ser207)
MKK3
MKK6
p-p38 MAPK(T180/Y182)
p38 MAPK
β-actin

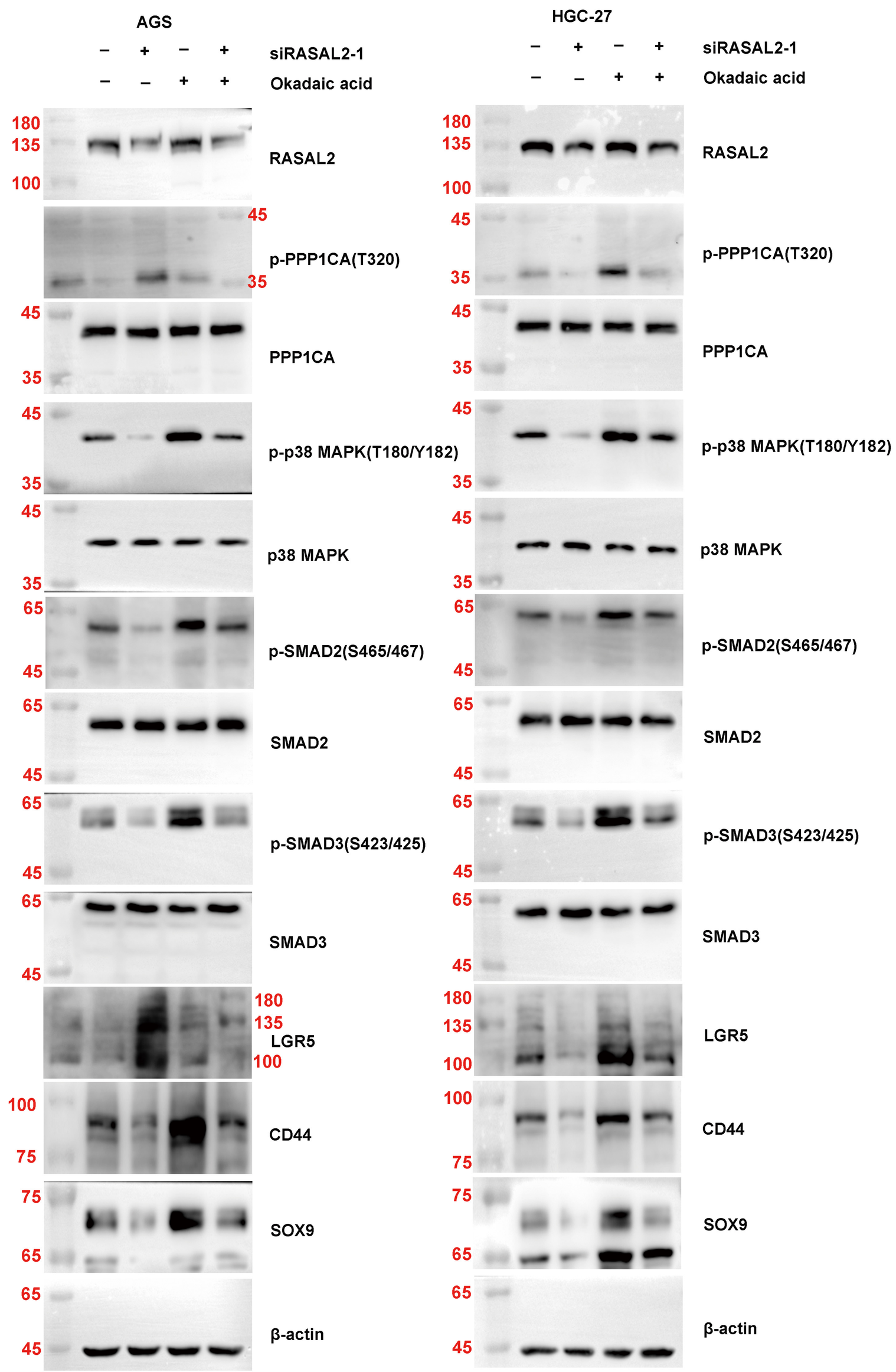

F
AGS
Input
IP
IgG
RASAL2
IB:RASAL2
IB:p38 MAPK

sFigure4

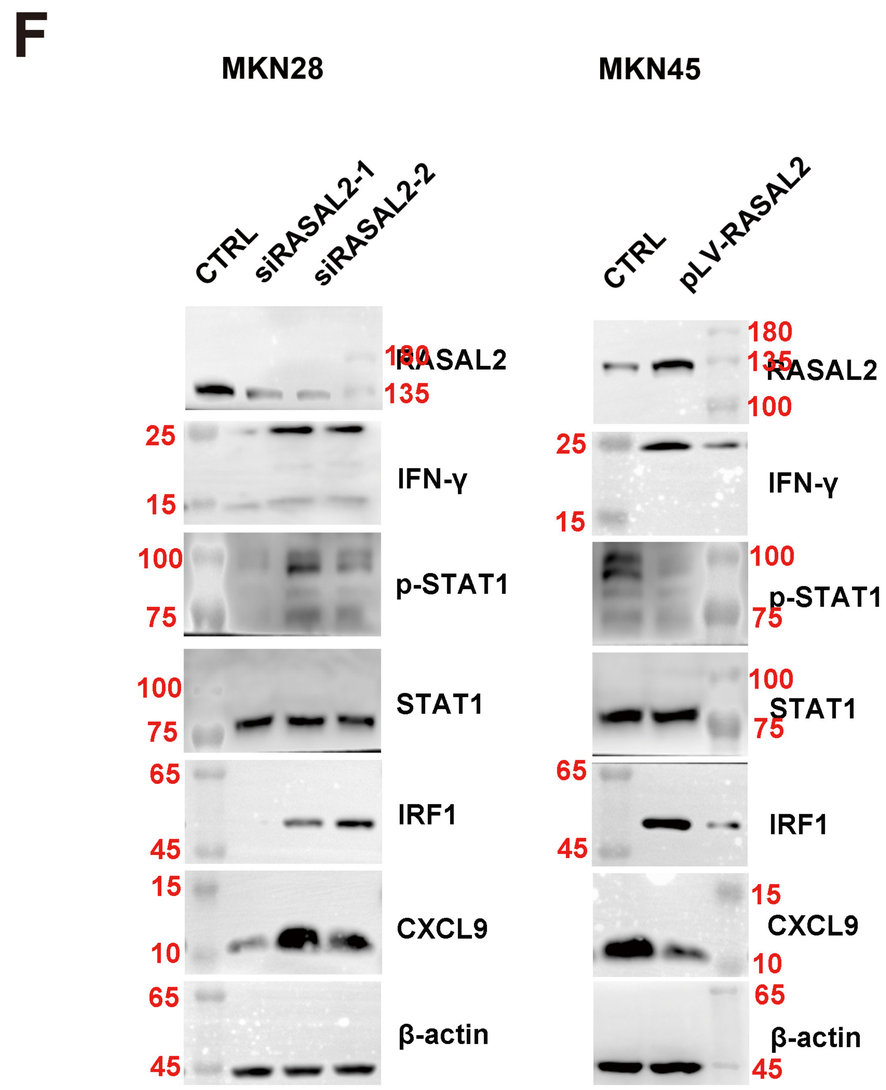
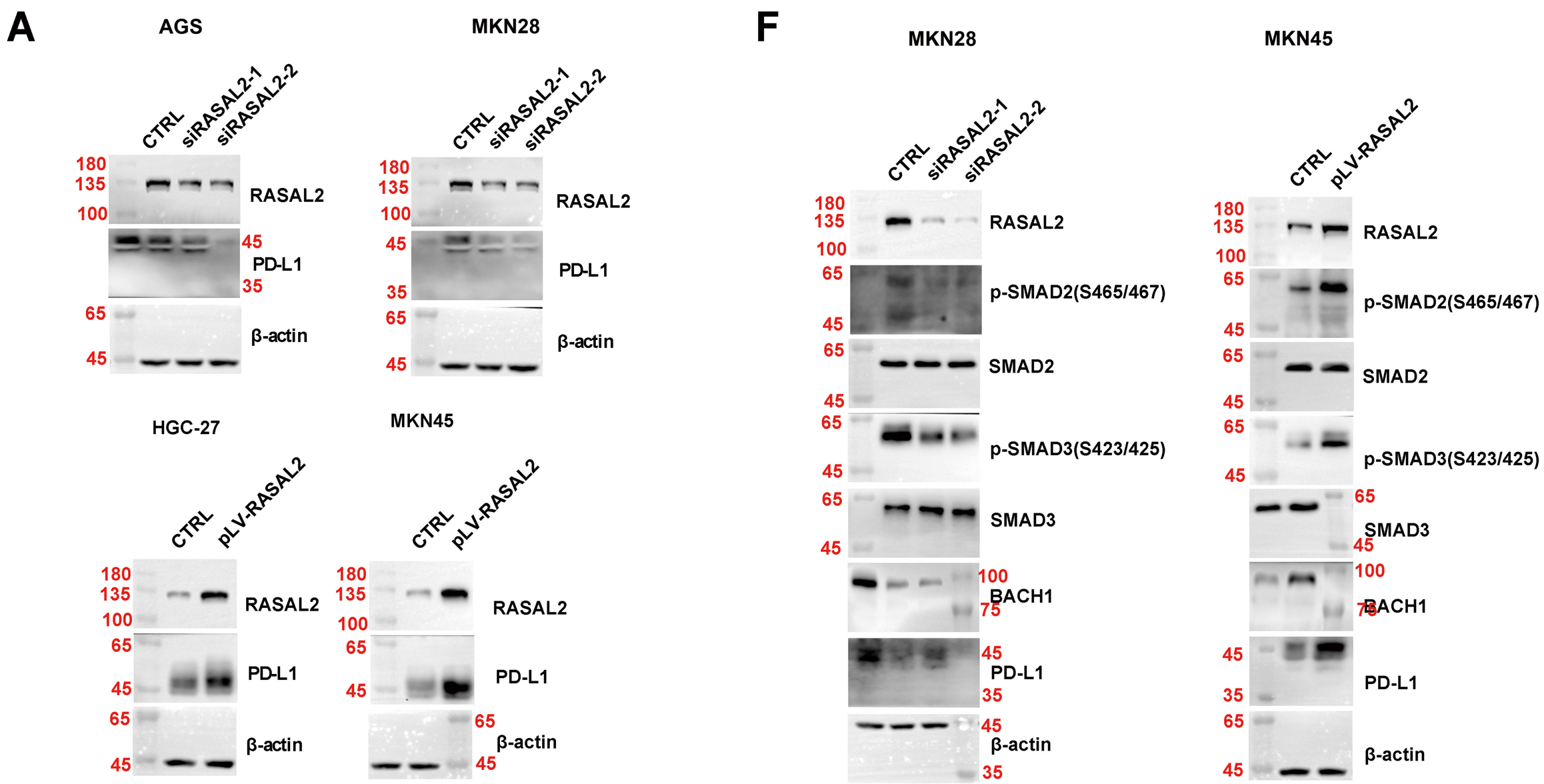
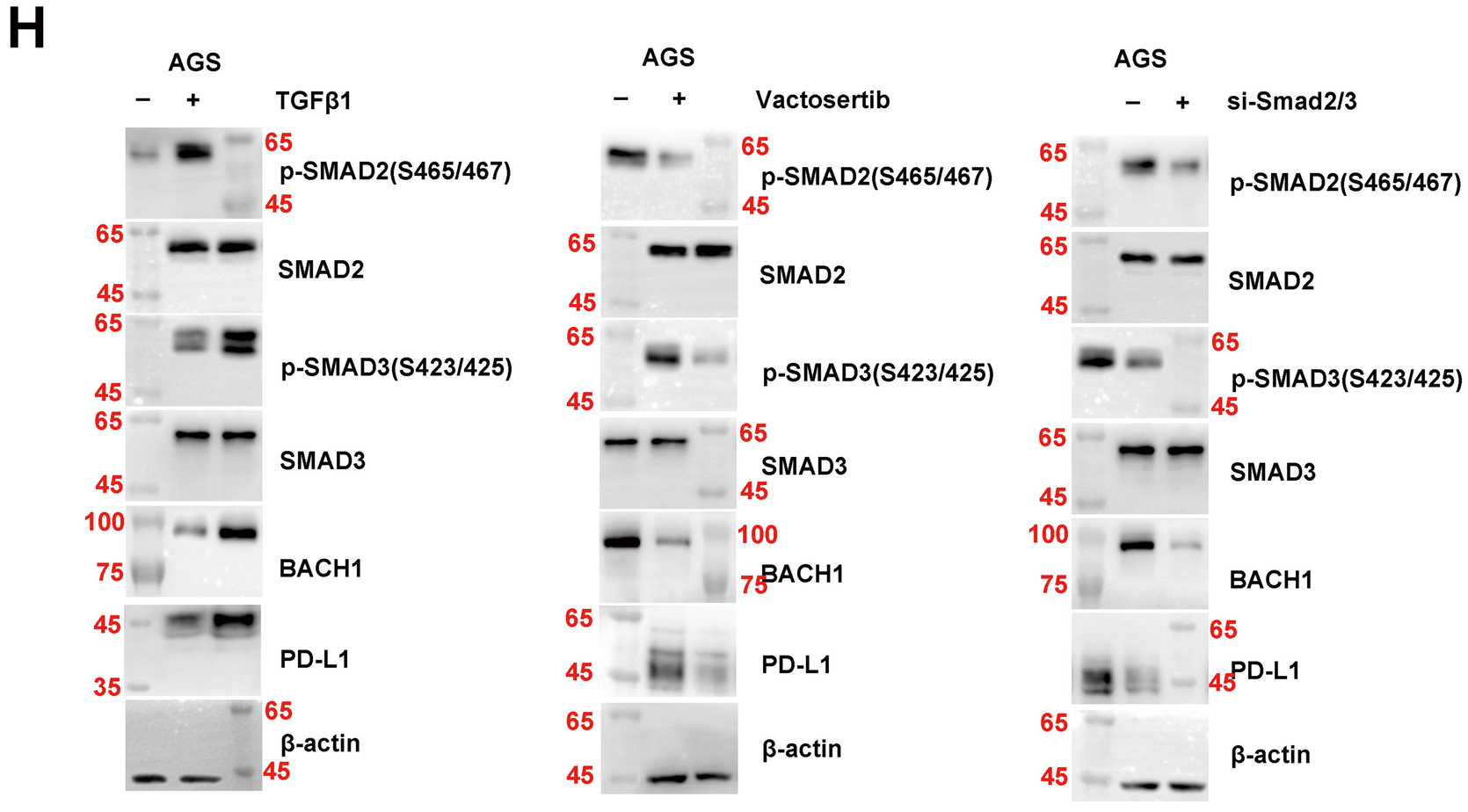
H


AGS
CTRL
siRASAL2-1
siRASAL2-2
MKN45
CTRL
siRASAL2-1
siRASAL2-2
HGC-27
CTRL
pLV-RASAL2
MKN45
CTRL
pLV-RASAL2
RASAL2
p-PPP1CA(T320)
PPP1CA
p-p38 MAPK(T180/Y182)
p38 MAPK
p-SMAD2(S465/467)
SMAD2
p-SMAD3(S423/425)
SMAD3
β-actin

I


AGS
HGC-27
siRASAL2-1
Okadaic acid
RASAL2
p-PPP1CA(T320)
PPP1CA
p-p38 MAPK(T180/Y182)
p38 MAPK
p-SMAD2(S465/467)
SMAD2
p-SMAD3(S423/425)
SMAD3
LGR5
CD44
SOX9
β-actin

sFigure5



sFigure6