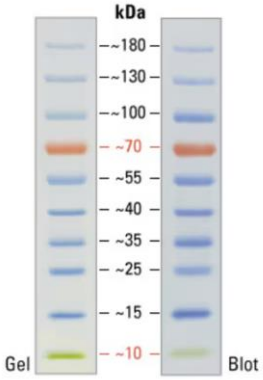
Supplementary materials of “Recognition of ROS-elicited Z-nucleic acids by Z-DNA binding protein 1 is required for acetaminophen-induced liver injury”

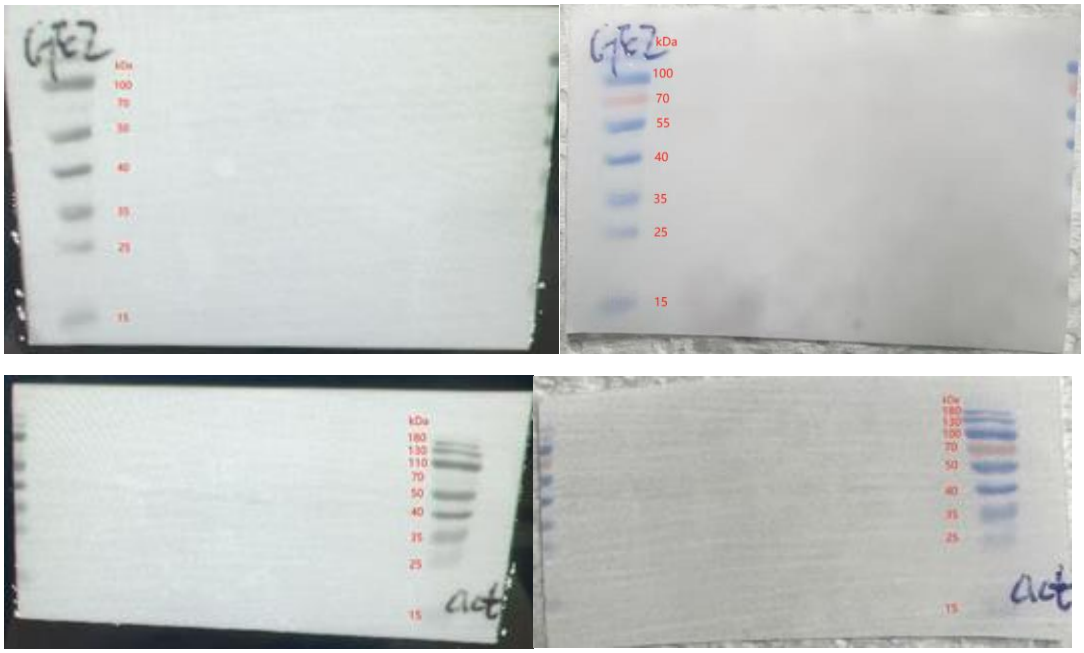
Supplementary figure1 | Gel source data

Thermo Scientific™ PageRuler™#26616 was used as molecular weight markers.

Illustration given on the manufacturer's website:



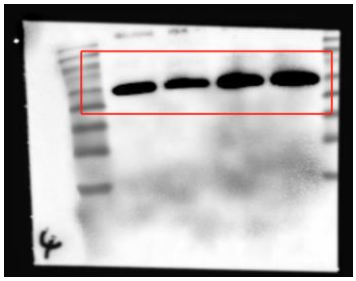
Examples of molecular weights obtained in our experiments:



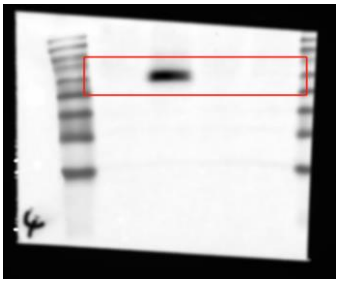
Red box indicated how the gels were cropped for the final figure.

Figure 2 a

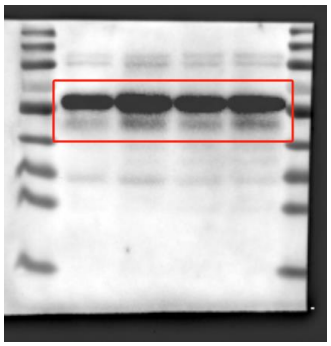
MLKL:



p-MLKL:



Casp8:



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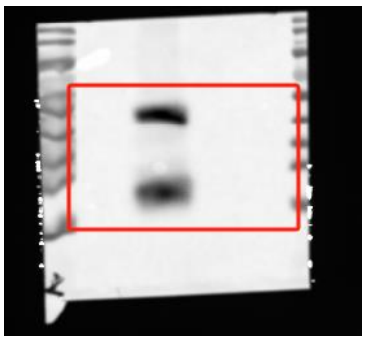
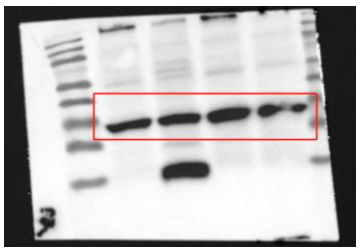


Casp3:



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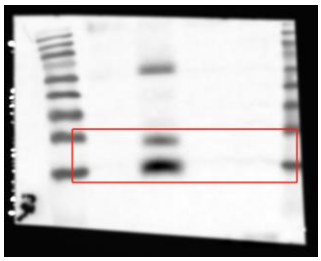
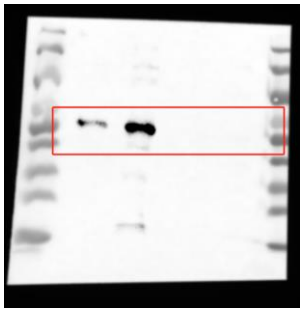
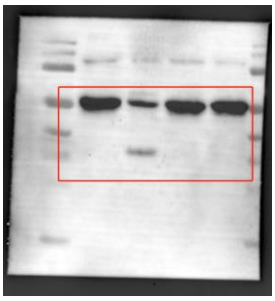


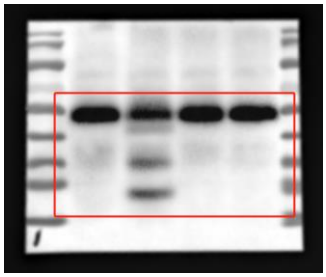
ZBP1:



pro-GSDME and cleaved-GSDME :



pro-GSDMD and cleaved-GSDMD



β-actin(run on the same gel with GSDME as loading controls)

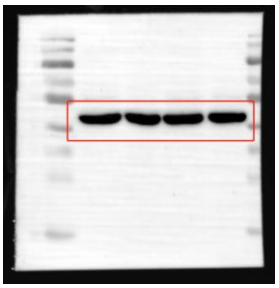
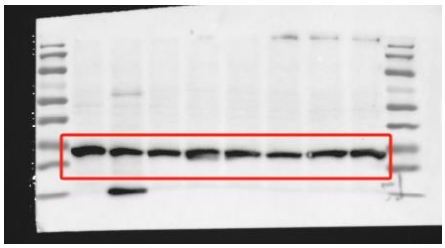


Figure 4 b

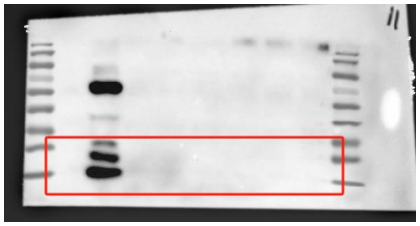
Casp8:

cleaved-Casp8:

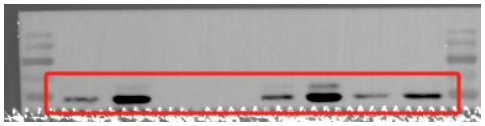
Casp3:



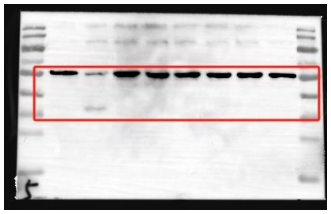
cleaved-Casp3:



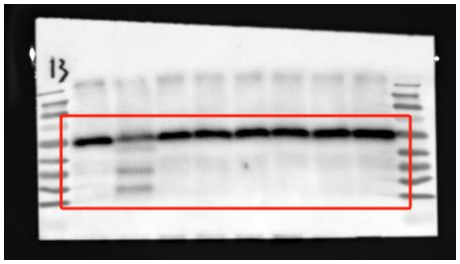
ZBP1:



pro-GSDME and cleaved-GSDME :



pro-GSDMD and cleaved-GSDMD



β-actin(run on the same gel with GSDME as loading controls)

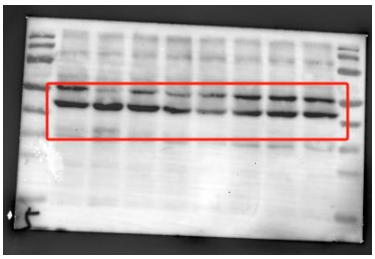
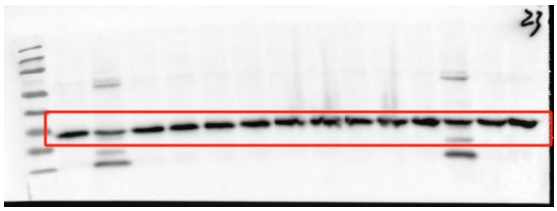


Figure 4 d

Casp8:

cleaved-Casp8:

Casp3:



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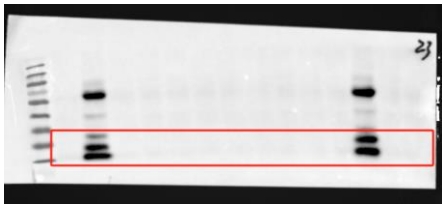

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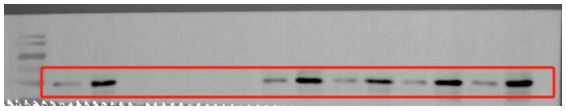
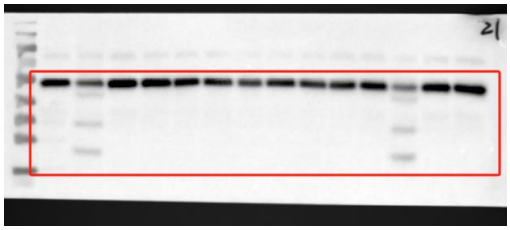
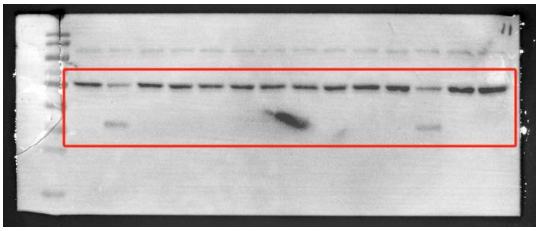


pro-GSDMD and cleaved-GSDMD:



pro-GSDME and cleaved-GSDME :



β-actin(run on separate gels as sample processing controls):

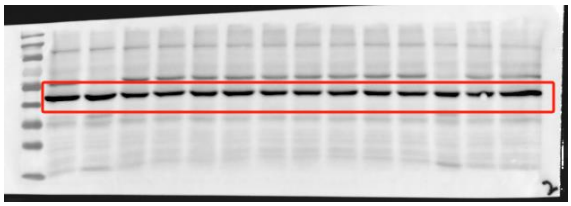
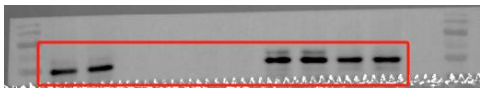


Figure 4 f

IP ZBP1:



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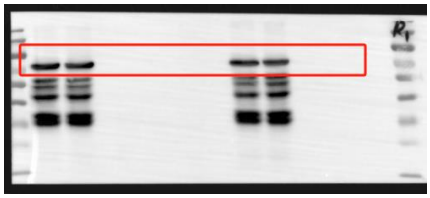
IP RIPK1:



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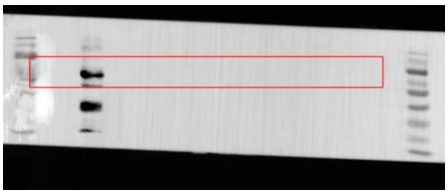

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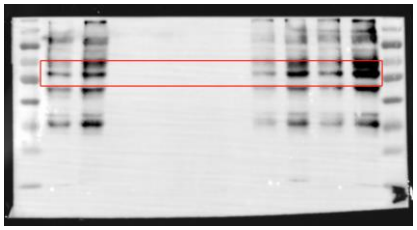

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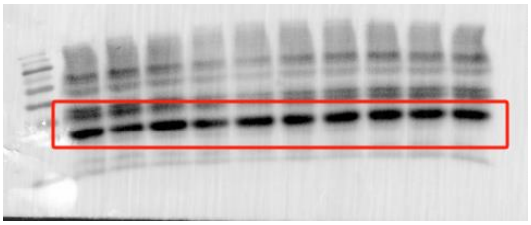

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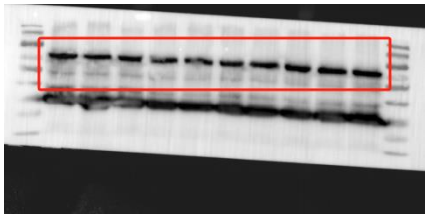
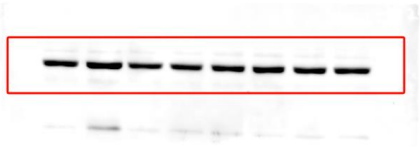


INPUT CASP8:

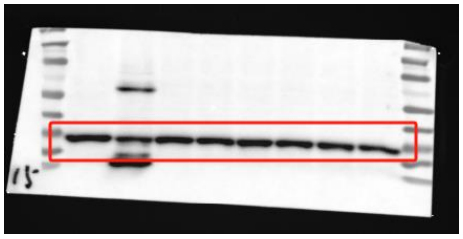
Figure 5 e

Casp8:



cleaved-Casp8:

Casp3:



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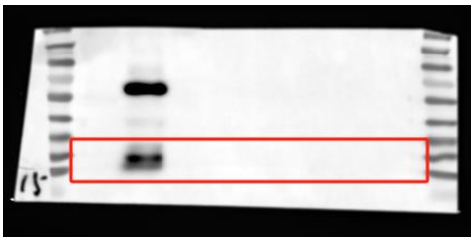
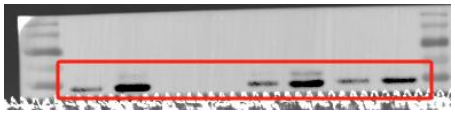
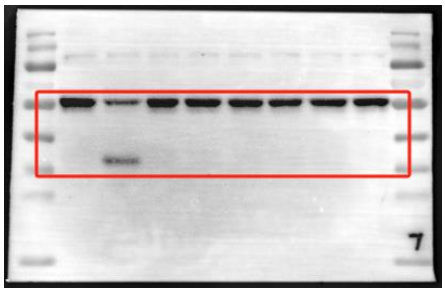


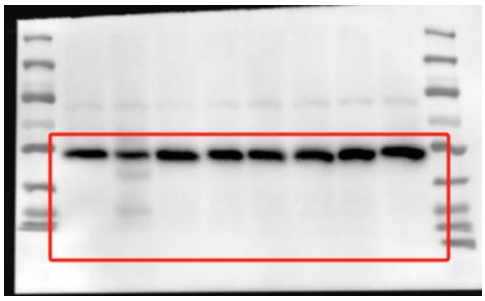
ZBP1:



pro-GSDME and cleaved-GSDME :



pro-GSDMD and cleaved-GSDMD



β-actin(run on separate gels as sample processing controls):

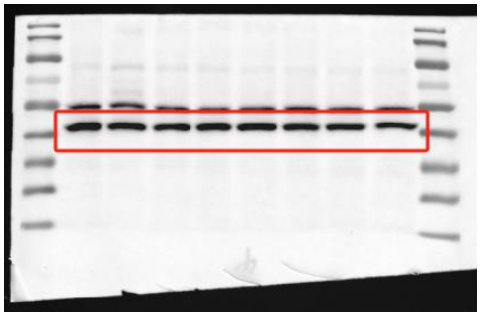
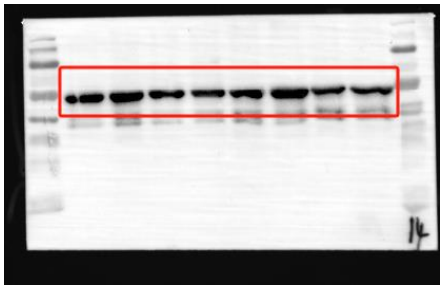


Figure 6 e

Casp8:



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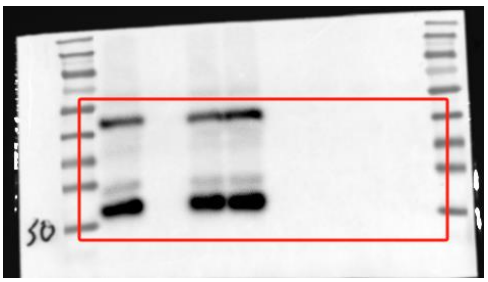

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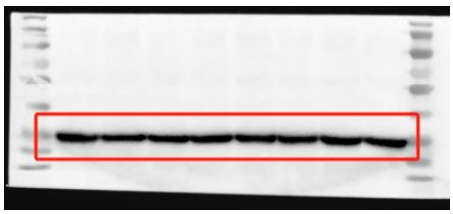
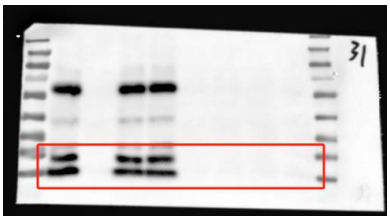
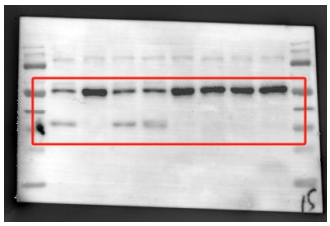


cleaved-Casp3:

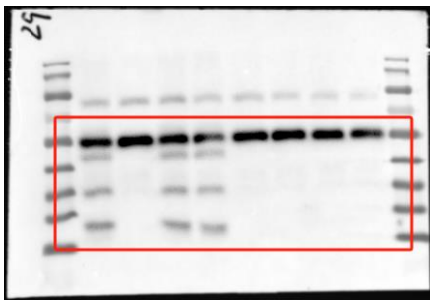


ZBP1:

pro-GSDME and cleaved-GSDME :



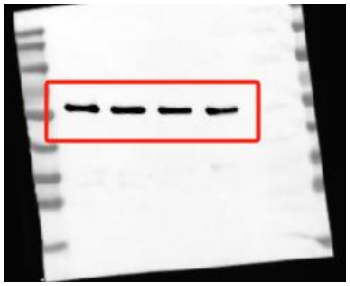
pro-GSDMD and cleaved-GSDMD:



β-actin(run on separate gels as sample processing controls):

Figure 6 g

IP ZBP1:



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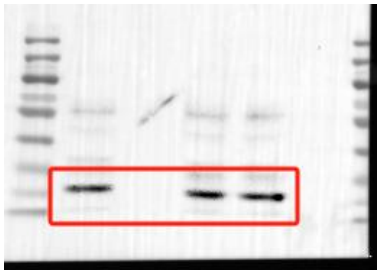

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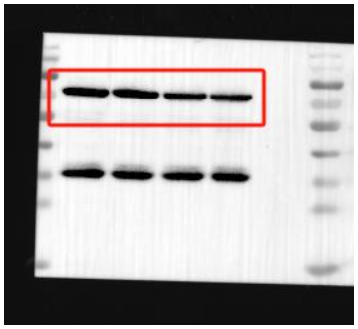

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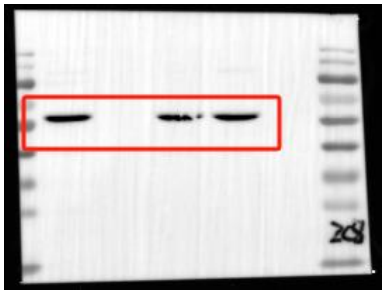

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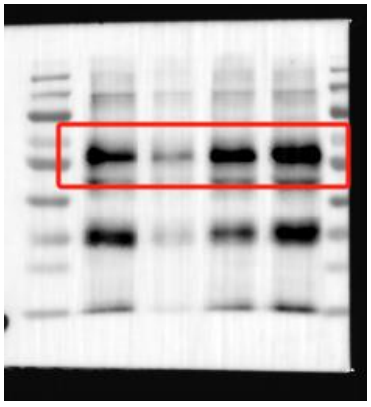
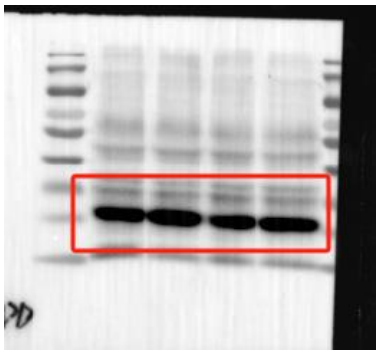


INPUT FADD:



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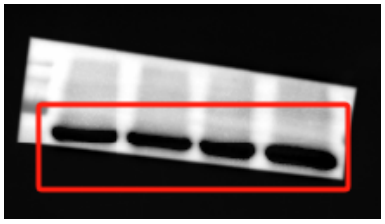


INPUT Casp8:

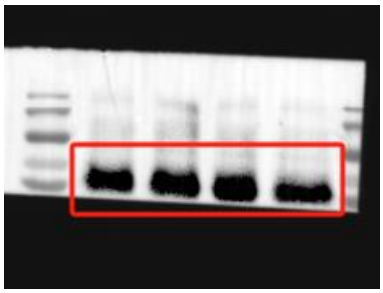
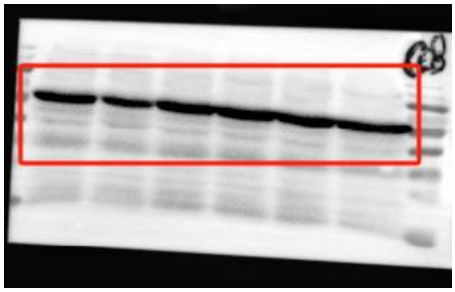


Figure 6 i

Casp8:



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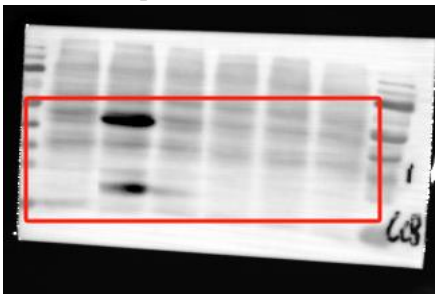

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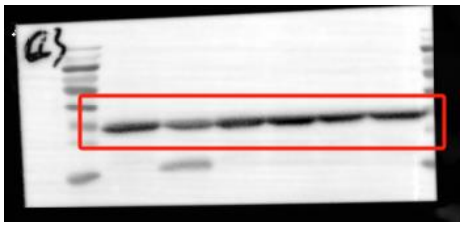

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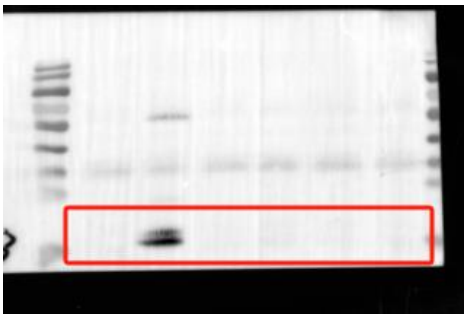
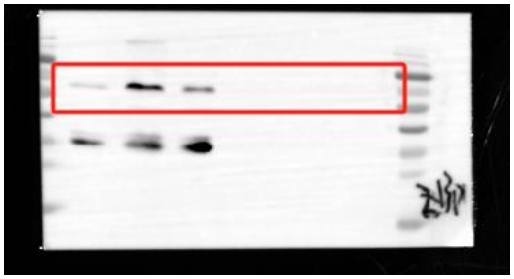
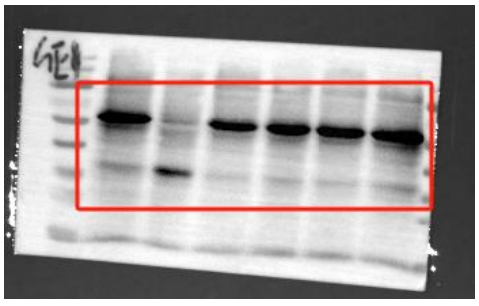


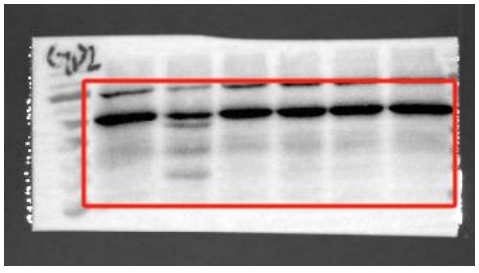
ZBP1:



pro-GSDME and cleaved-GSDME:

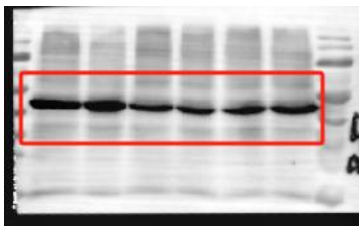


pro-GSDMD and cleaved-GSDMD:

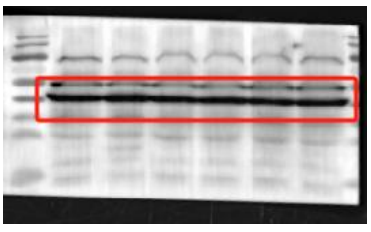


β-actin(run on separate gels as sample processing controls)

1:



2:

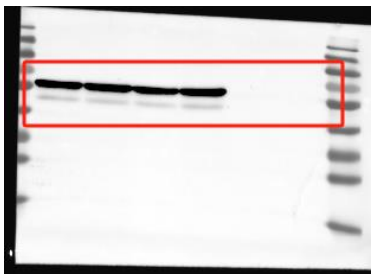


Extended data | Figure2 g-k

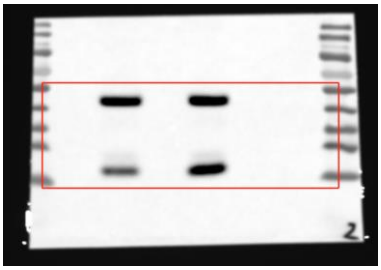
RIPK3:

p-RIPK3:

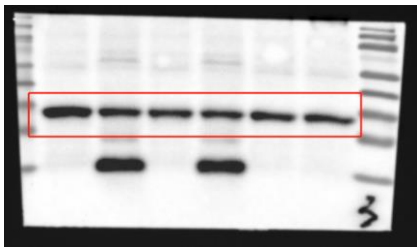
Casp8:



cleaved-Casp8:



Casp3:



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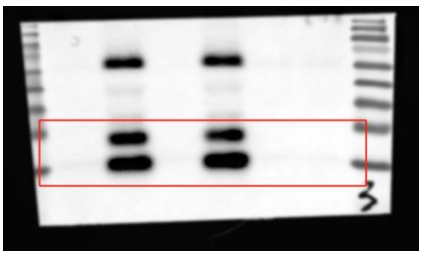
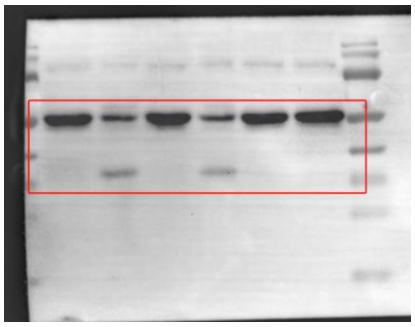
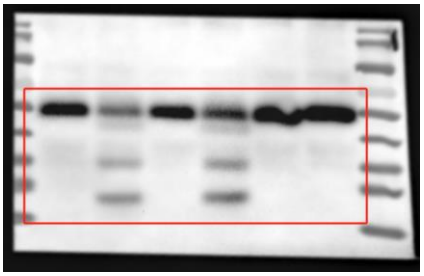


pro-GSDME and cleaved-GSDME:

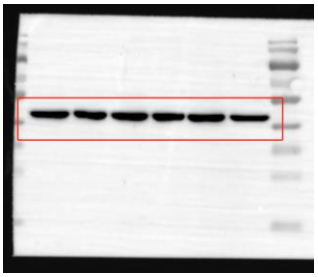


pro-GSDMD and cleaved-GSDMD:



ZBP1:

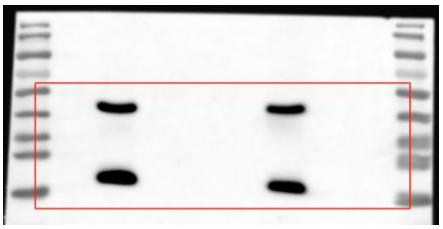
β-actin(run on the same gel with GSDME as loading controls):



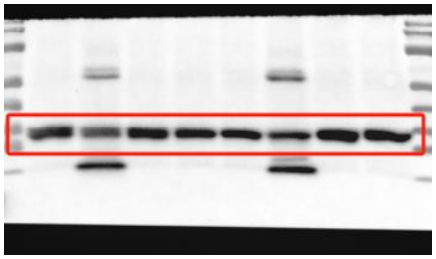
Extended data | Figure3 a

Casp8:

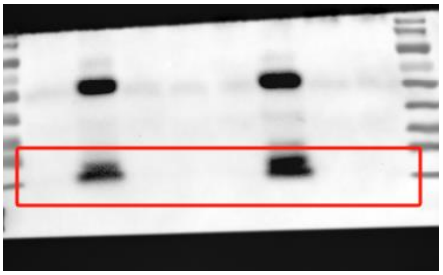
cleaved-Casp8:



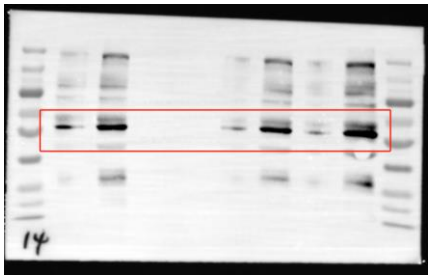
Casp3:



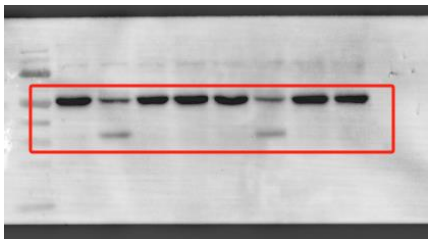
cleaved-Casp3:



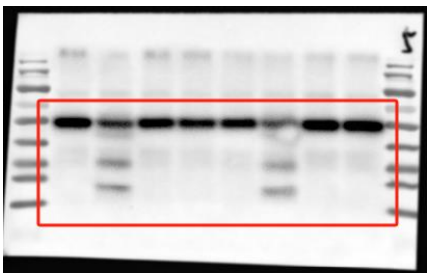
ZBP1:



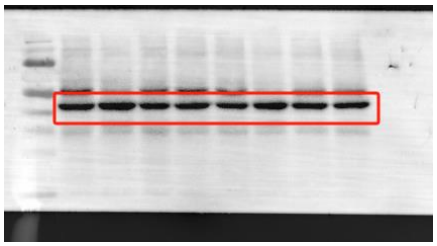
pro-GSDME and cleaved-GSDME:



pro-GSDMD and cleaved-GSDMD:

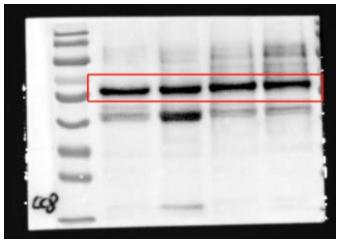


β-actin(run on the same gel with GSDME as loading controls):

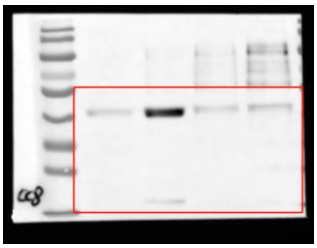


Extended data | Figure3 b

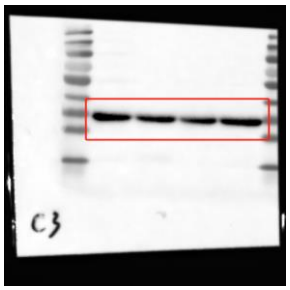
Casp8:



cleaved-Casp8:



Casp3:



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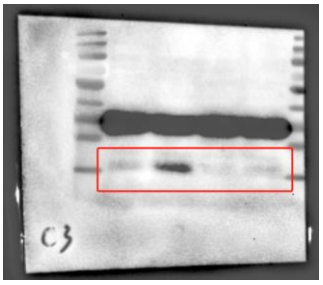
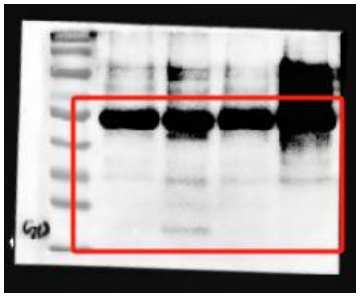
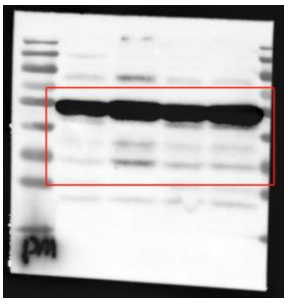


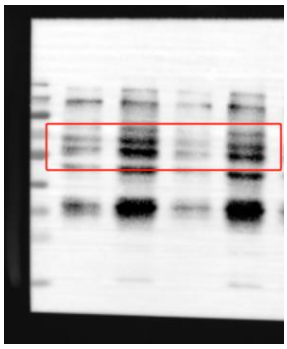
pro-GSDMD and cleaved-GSDMD:



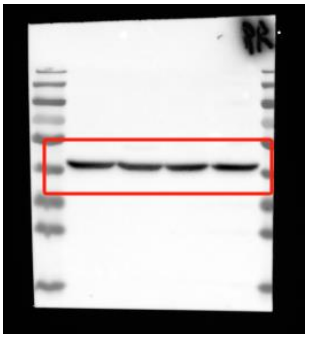
pro-GSDME and cleaved-GSDME:



ZBP1:



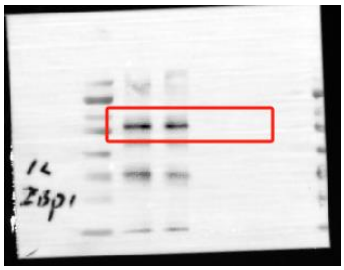
β-actin(run on separate gels as sample processing controls):



Extended data | Figure3 c

IP for ZBP1

IP ZBP1:



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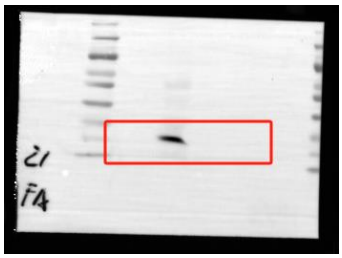
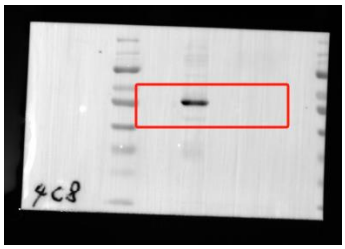
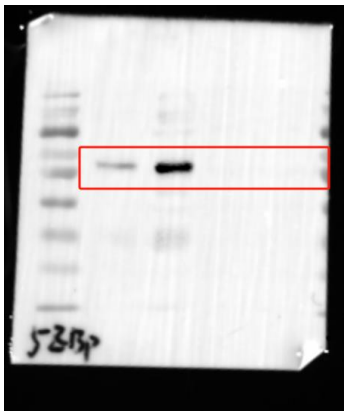


IP RIPK1:

IP Casp8:



INPUT ZBP1:



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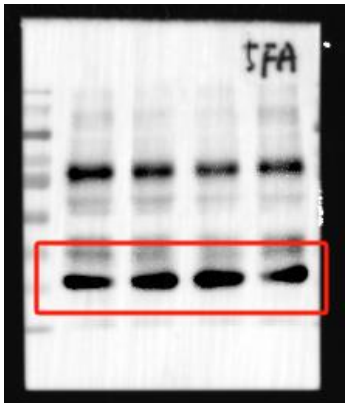

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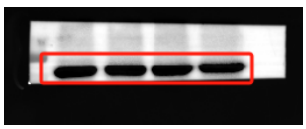
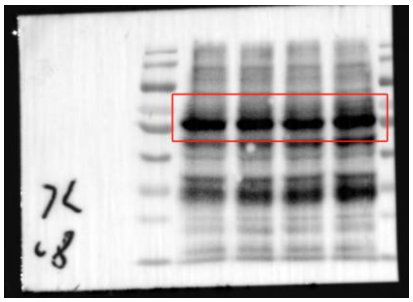
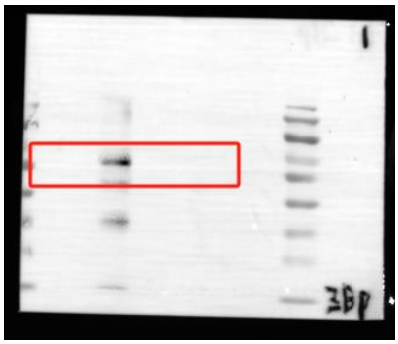


INPUT Casp8:



IP for Casp8

IP ZBP1:



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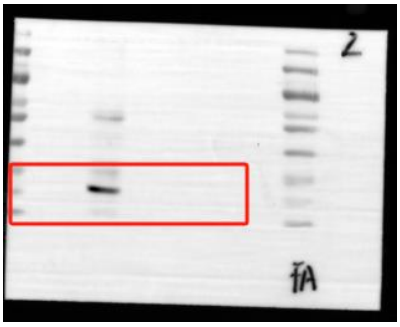

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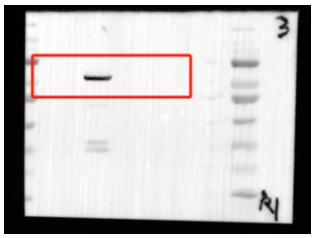

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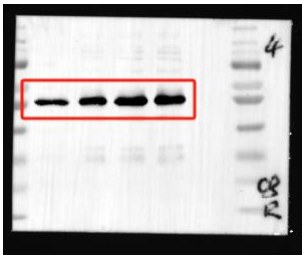

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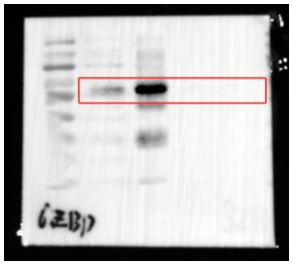

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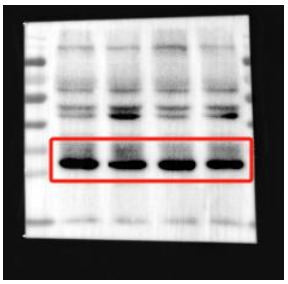

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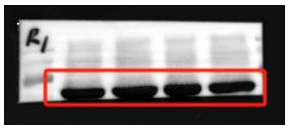

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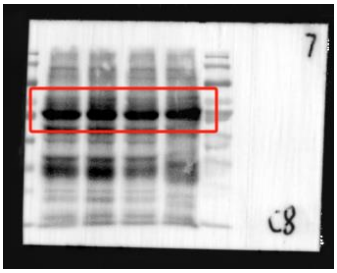
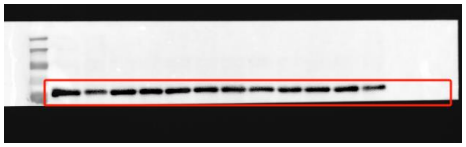


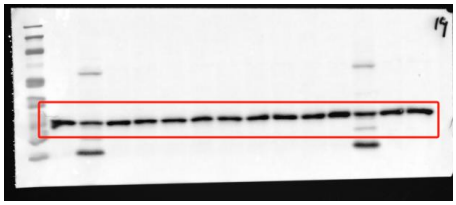
Extended data | Figure4 c

Casp8:



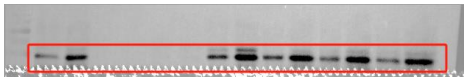
cleaved-Casp8:

Casp3:

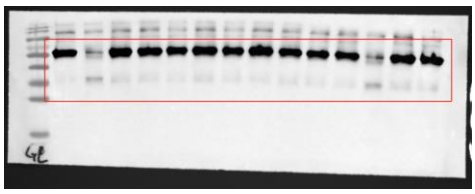


cleaved-Casp3:

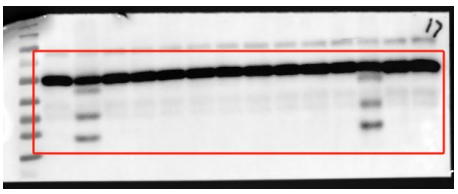
ZBP1:



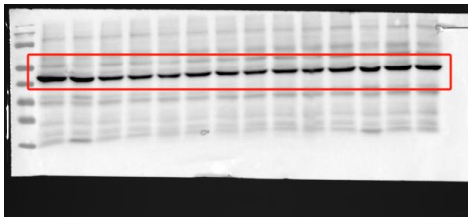
pro-GSDME and cleaved-GSDME:



pro-GSDMD and cleaved-GSDMD:



β-actin(run on separate gels as sample processing controls):

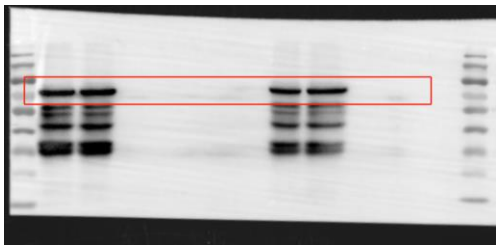


Extended data | Figure4 f

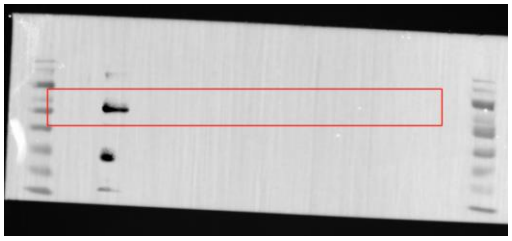
IP ZBP1:

IP FADD:

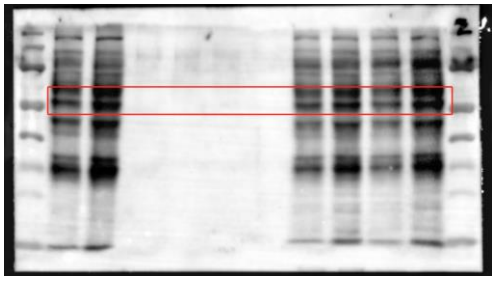
IP RIPK1:



IP Casp8:



INPUT ZBP1:



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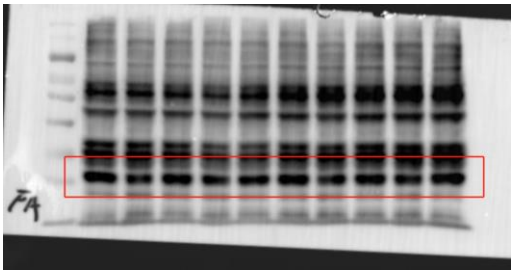

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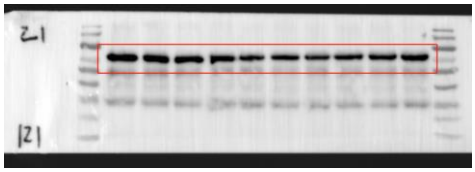

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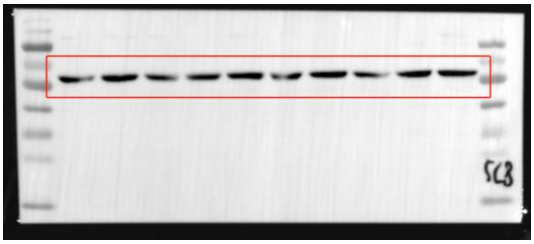
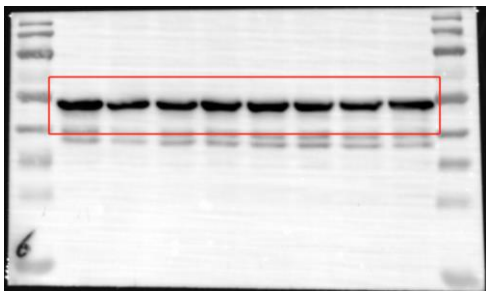
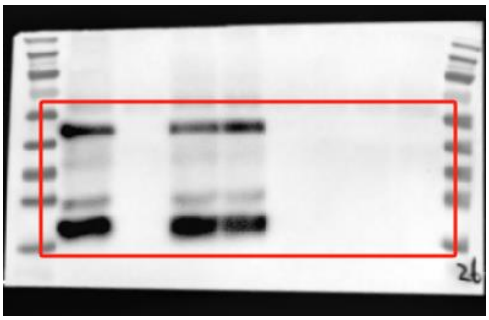


Extended data | Figure5 b

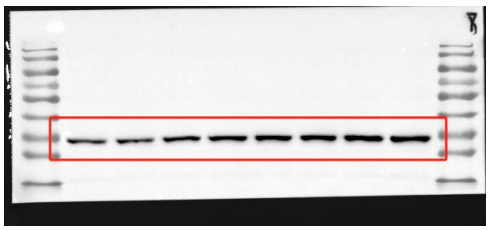
Casp8:



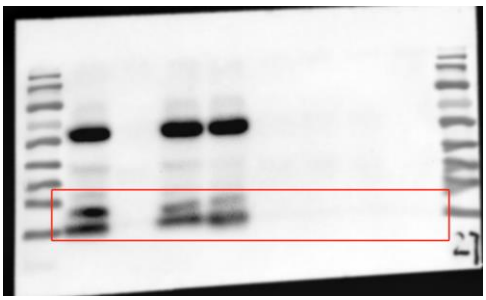
cleaved-Casp8:



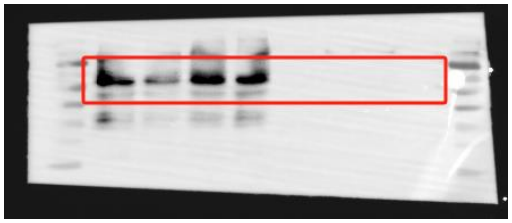
Casp3:



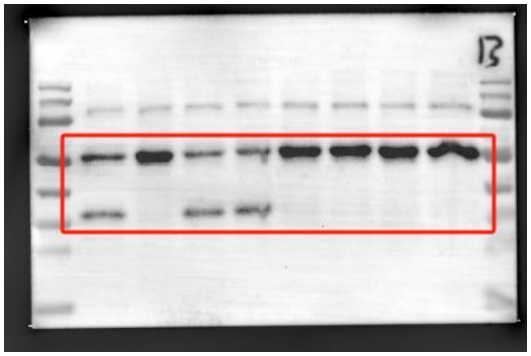
cleaved-Casp3:



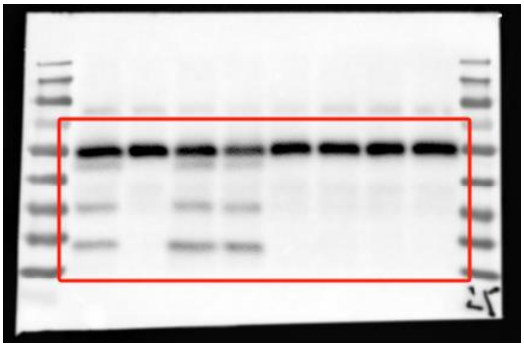
ZBP1:



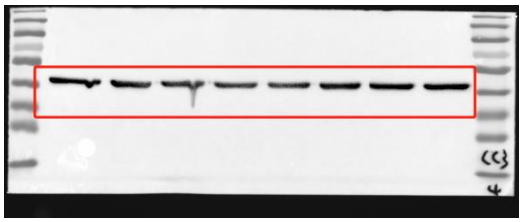
pro-GSDME and cleaved-GSDME:



pro-GSDMD and cleaved-GSDMD:



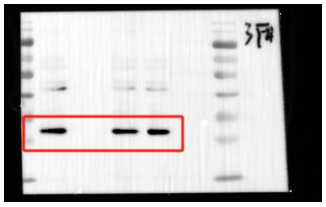
β-actin(run on separate gels as sample processing controls):



Extended data | Figure5 f

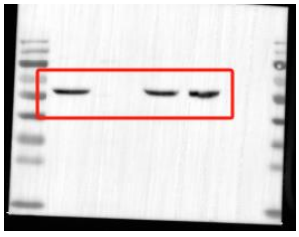
IP ZBP1:

IP FADD:



IP RIPK1:

IP CASP8:



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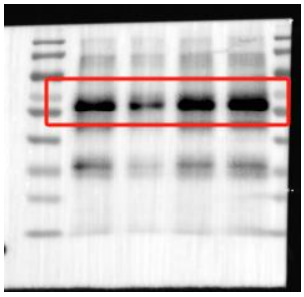

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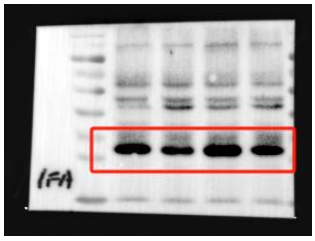
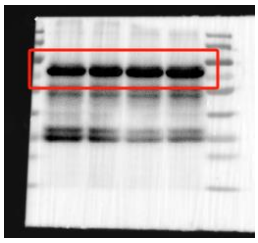


INPUT RIPK1:



INPUT CASP8: