

## GSDMD N-terminal rabbit pAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A23933	Rabbit	1 mg/ml	36kD,55kD

<b>Applications</b>	WB, IHC, IF
<b>Reactivity</b>	Human, Mouse, Rat
<b>Dilution</b>	IF 1:50-200; WB 1:1000-3000; IHC 1:50-300
<b>Storage</b>	-20°C/1 year(Do not lower than -25°C)
<b>Specificity</b>	The antibody detects endogenous full length and n-terminal fragment of gsdmd protein,
<b>Source / Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Immunogen</b>	Synthesized peptide derived from human GSDMD. AA range:1-100
<b>Uniprot No</b>	P57764;
<b>Alternative names</b>	GSDMD, Gasdermin domain-containing protein 1, Gasdermin-D, GSDMD, GSDMD-CT, GSDMD-NT, GSDMD_HUMAN
<b>Form</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unmodified
<b>Background</b>	Cleavage at Asp-275 by CASP1 (mature and uncleaved precursor forms), CASP4, CASP5 or CASP8 relieves autoinhibition and is sufficient to initiate pyroptosis (PubMed:26375003, PubMed:29898893, PubMed:32109412). Cleavage by CASP1 and CASP4 is not strictly dependent on the consensus cleavage site on GSDMD but depends on an exosite interface on CASP1 that recognizes and binds the Gasdermin-D, C-terminal (GSDMD-CT) part (PubMed:32109412). Cleavage by CASP8 takes place following inactivation of MAP3K7/TAK1 by Yersinia toxin YopJ (By similarity). Cleavage at Asp-87 by CASP3 or CAPS7 inactivates the ability to mediate pyroptosis (PubMed:28392147, PubMed:28045099).

**Other**

**Product Images:**

**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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