

GSDMD C-terminal Rabbit pAb

CatalogNo: YT8142

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB

MW

- 53kD (Calculated)
- 53kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

WB 1:500-1:2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human proteinAA range:1-130

Specificity The antibody detects endogenous full length and c-terminal fragment of gsdmd protein,

Target Information

Gene name GSDMD

Protein Name	Gasdermin domain-containing protein 1,Gasdermin-D,GSDMD,GSDMD-CT,GSDMD-NT,GSDMD_HUMAN		
	Organism	Gene ID	UniProt ID
	Human	79792 ;	P57764 ;
Cellular Localization	[Gasdermin-D]: Cytoplasm , cytosol . Inflammasome . In response to a canonical inflammasome stimulus , such as nigericin , recruited to NLRP3 inflammasome with similar kinetics to that of uncleaved CASP1 precursor. .; [Gasdermin-D , N-terminal]: Cell membrane ; Multi-pass membrane protein . Secreted . Released in the extracellular milieu following pyroptosis. .; [Gasdermin-D , C-terminal]: Cytoplasm , cytosol .		
Tissue specificity	Expressed in the suprabasal cells of esophagus , as well as in the isthmus/neck , pit , and gland of the stomach , suggesting preferential expression in differentiating cells.		
Function	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) .		

| Validation Data

| Contact information

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 Rabbit pAb**

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