



GSDMD (PTR1398) mouse mAb

Catalog No	YP-mAb-18401
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IF;ELISA
Gene Name	GSDMD
Immunogen	AA range: 1-100
Specificity	This antibody detects endogenous levels of GSDMD protein.
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	
Purification	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000; IF 1:100-500; ELISA 1:1000-5000;
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GSDMD;Gasdermin domain-containing protein 1;Gasdermin-D;GSDMD-CT;GSDMD-NT;GSDMD_HUMAN
Observed Band	53kD,31kD
Calculated Molecular Weight	53kD,31kD
Cell Pathway	Cytoplasm
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).



Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images