



GSDMD N-terminal rabbit pAb

货号	BYab-18001
同位型	IgG
应用	IF;WB;IHC
种属	Human;Mouse;Rat
靶点	GSDMD
简介	>>Neutrophil extracellular trap formation;>>NOD-like receptor signaling pathway;>>Salmonella infection
基因名称	GSDMD
蛋白名称	Gasdermin domain-containing protein 1,Gasdermin-D,GSDMD,GSDMD-CT,GSDMD-NT,GSDMD_HUMAN
免疫原	Synthesized peptide derived from human GSDMD. AA range:1-100
特异性	The antibody detects endogenous full length and n-terminal fragment of gsdmd protein,
组成	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
来源	Polyclonal, Rabbit,IgG
稀释	IF 1:50-200 WB 1:1000-3000 IHC 1:50-300
纯化工艺	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
实测条带	36 55kD
功能	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).
细胞定位	[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 .
组织表达	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

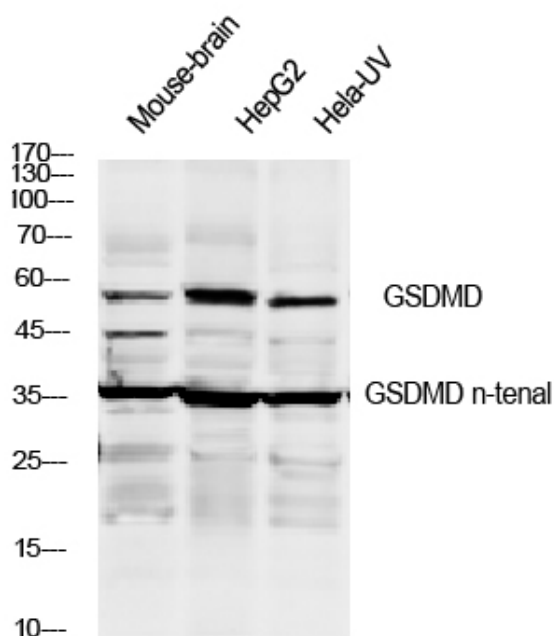
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cells.

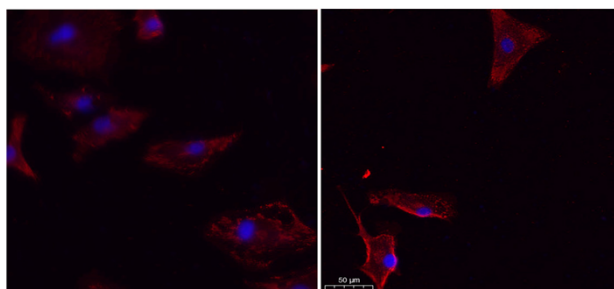
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!
使用建议	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



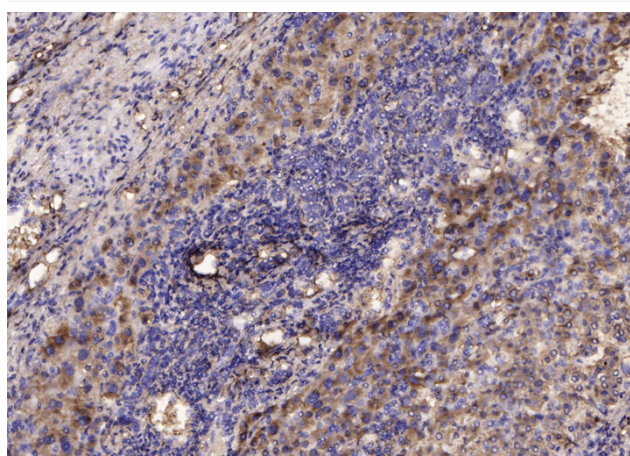
Products Images



Western blot analysis of lysates from 1)mouse-brain, 2)Hela cells treated by UV 15min,3) HepG2 cells, primary antibody was diluted at 1:1000, 4'over night, secondary antibody HRPgoat anti rabbit (Immunoway:RS0002) was diluted at 1:10000



Immunofluorescence analysis of un-treated (left) A549 and UV treated(right) A549 cell. 1,primary Antibody was diluted at 1:200(4°C overnight).2, Goat Anti Rabbit IgG (H&L)- AlexaFluor 594 Secondary antibody was diluted at 1:1000(room temperature,50min).3, Picture B: DAPI(blue) 10min.



Immunohistochemical analysis of paraffin-embedded human Moderately differentiated hepatocellular carcinoma Antibody was diluted at 1:200(4°C overnight).

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