



# 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

**Nanjing BYabscience technology Co.,Ltd**



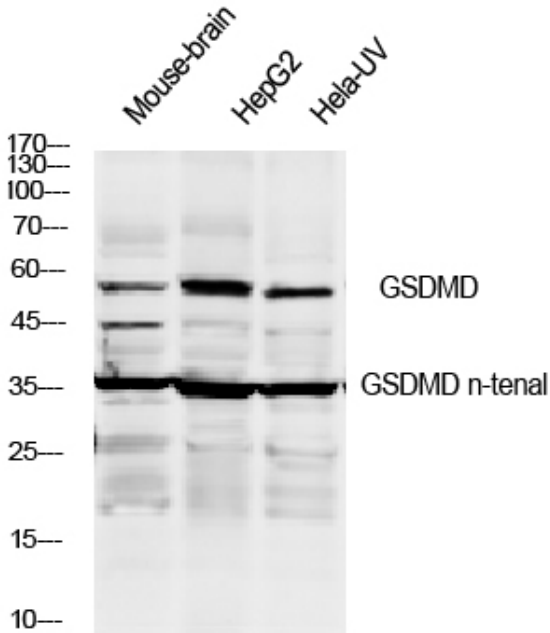
cells.

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.

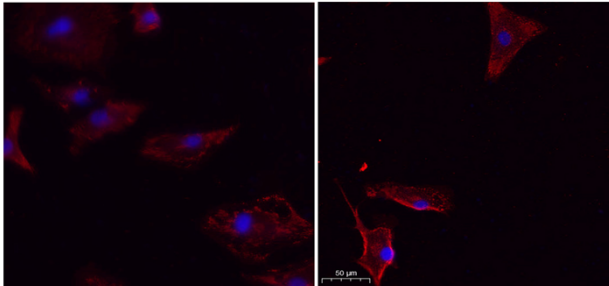
Nanjing BYabscience technology Co.,Ltd



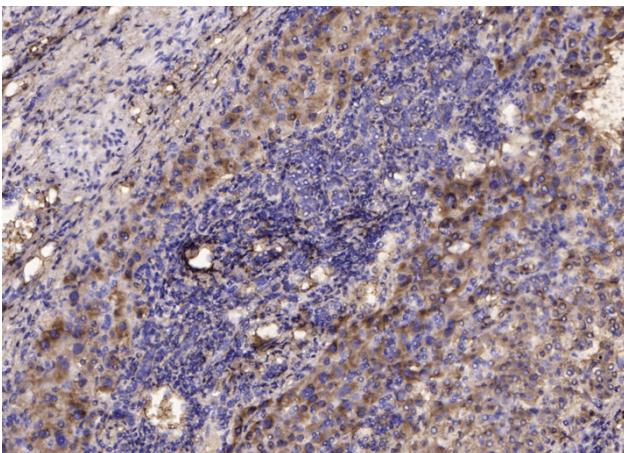
## Products Images



Western blot analysis of lysates from 1) mouse-brain, 2) HepG2 cells, and 3) HeLa-UV 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) and UV treated (right) A549 cells. 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, 50 min). 3, Picture B: DAPI (blue) 10 min.



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

Nanjing BYabscience technology Co.,Ltd