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GSDMD N-terminal Mouse mAb

货号: AYT1032

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB ICC/IF
推荐浓度	**WB 1:500-2000:** **; IF 1:100-500:**
理论分子量	53kD,31kD
实测分子量	31-35kD(N-terminal),53kD(Pro)
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.103.
偶联物	Unconjugated
阳性对照	A-431,THP-1
细胞定位	Cytoplasm, cytosol, Inflammasome, Cell membrane, Secreted, Mitochondrion membrane, Nucleus
纯化	

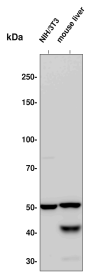
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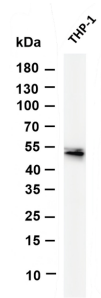
靶点信息

研究背景	GSDMD is a 53 kDa cytosolic protein and a member of the gasdermin protein family, which features 6 members in humans (GSDMA, -B, -C, -D, -E and -F. GSDMD was identified as the executioner of inflammasome-associated pyroptosis. Caspase-1, -11, or -4 cleave GSDMD after an aspartate residue within a central linker domain (D275 in humans and D276 in mice) to generate a 31-kDa N-terminal GSDMD fragment (GSDMD-NT) and a 22-kDa C-terminal fragment (GSDMD-CT). In addition to the canonical 31/22 kDa cleavage products, a 43 kDa fragment has been observed under specific experimental or pathological conditions. The generation of the 43 kDa fragment was observed upon caspase-3 and -7 activation during apoptosis. This antibody can only detect full-length GSDMD.
基因ID	79792
基因名	GSDMD
Swiss	P57764 (https://www.uniprot.org/uniprotkb/P57764/entry)
别名	DF5L; DFNA 5L; DFNA5L; FKSG 10; FKSG10; FLJ12150; Gasdermin D; Gasdermin domain containing 1; Gasdermin domain containing protein 1; Gasdermin domain-containing protein 1; Gasdermin-D; Gasdermin D; GSDMD; GSDMD_HUMAN;

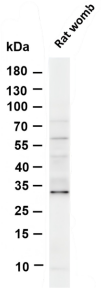
产品验证



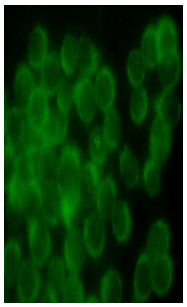
Western blot analysis of GSDMD N-terminal expressed in NIH/3T3，mouse liver using GSDMD N-terminal Rabbit at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Western blot analysis of GSDMD N-terminal expressed in Thp-1 using GSDMD N-terminal Rabbit at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Western blot analysis of GSDMD N-terminal expressed in Rat womb using GSDMD N-terminal Rabbit at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Immunofluorescence analysis of RAW264.7 cells labelling GSDMD N-terminal with 1：100（LPS+Nigericin）

实验步骤

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