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GSDMD n-ternal Rabbit Polyclonal Antibody

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Catalog # AP93621

Product Information

Application	IF, ICC, WB, IHC-P
Primary Accession	P57764
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Calculated MW	52801

Additional Information

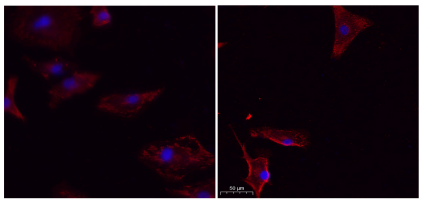
Gene ID	79792
Other Names	Gasdermin-D, Gasdermin domain-containing protein 1, Gasdermin-D, N-terminal, GSDMD-NT, Gasdermin-D, 13 kDa, 13 kDa GSDMD, Gasdermin-D, p40, GSDMD {ECO:0000303|PubMed:26375003, ECO:0000312|HGNC:HGNC:25697}
Dilution	IF~~1:50~200 ICC~~N/A WB~~1:1000 IHC-P~~N/A
Storage Conditions	-20℃

Protein Information

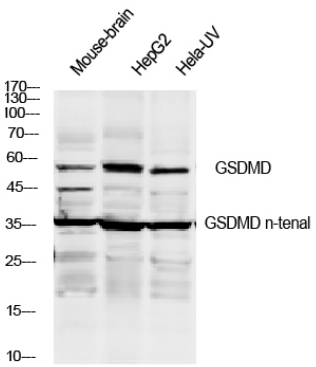
Name	GSDMD {ECO:0000303|PubMed:26375003, ECO:0000312|HGNC:HGNC:25697}
Function	[Gasdermin-D]: Precursor of a pore-forming protein that plays a key role in host defense against pathogen infection and danger signals (PubMed:26375003, PubMed:26375259, PubMed:27281216). This form constitutes the precursor of the pore-forming protein: upon cleavage, the released N-terminal moiety (Gasdermin-D, N-terminal) binds to membranes and forms pores, triggering pyroptosis (PubMed:26375003, PubMed:26375259, PubMed:27281216, PubMed:39673710, PubMed:40118151).
Cellular Location	[Gasdermin-D]: Cytoplasm, cytosol. Inflammasome {ECO:0000250|UniProtKB:Q9D8T2}. Note=In response to a canonical inflammasome stimulus, such as nigericin, recruited to NLRP3 inflammasone with similar kinetics to that of uncleaved CASP1 precursor. {ECO:0000250|UniProtKB:Q9D8T2} [Gasdermin-D, N-terminal]: Cytoplasm, cytosol. Note=(Microbial infection) Upon infection by M.tuberculosis, localization to cell membrane is prevented by M.tuberculosis phosphatase PtpB that catalyzes dephosphorylation of phosphatidylinositol (4,5)-bisphosphate and phosphatidylinositol 4- phosphate, thereby inhibiting

	the membrane targeting of Gasdermin-D, N- terminal and subsequent cytokine release and pyroptosis [Gasdermin-D, C-terminal]: Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9D8T2}
Tissue Location	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

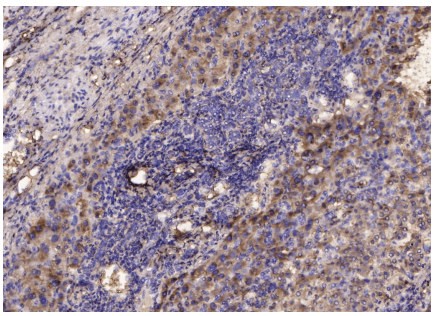
Images



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) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



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 HRP goat anti rabbit was diluted at 1:10000



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.