

Gasdermin D/DFNA5L Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55508**Specification****Gasdermin D/DFNA5L Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P57764
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32/53 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GSDMD
Epitope Specificity	31-150/484
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the gasdermin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Gasdermin D is a member of the gasdermin family. Members of this family appear to play a role in regulation of epithelial proliferation. Gasdermin D has been suggested to act as a tumor suppressor. Alternatively spliced transcript variants have been described. [provided by RefSeq, Oct 2009]

Gasdermin D/DFNA5L Polyclonal Antibody - Additional Information**Gene ID** 79792**Other Names**

Gasdermin-D, Gasdermin domain-containing protein 1, Gasdermin-D, N-terminal, GSDMD-NT, hGSDMD-CTD, GSDMD {ECO:0000303|PubMed:26375003, ECO:0000312|HGNC:HGNC:25697}

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Gasdermin D/DFNA5L Polyclonal Antibody - 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).

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 inflammasome 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

Gasdermin D/DFNA5L Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Gasdermin D/DFNA5L Polyclonal Antibody - Images