

**GSDMD n-terminal Rabbit Polyclonal Antibody**  
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**Catalog # AP93621****Specification**

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**GSDMD n-terminal Rabbit Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, IF            |
| Primary Accession | <a href="#">P57764</a> |
| Reactivity        | Rat, Human, Mouse      |
| Clonality         | Polyclonal             |
| Calculated MW     | 52801                  |

**GSDMD n-terminal Rabbit Polyclonal Antibody - 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**

WB~~1:1000  
IHC~~1:100~500  
IF~~1:50~200

**Storage Conditions**

-20°C

**GSDMD n-terminal Rabbit 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:<a href="http://www.uniprot.org/citations/26375003" target="\_blank">26375003</a>, PubMed:<a href="http://www.uniprot.org/citations/26375259" target="\_blank">26375259</a>, PubMed:<a href="http://www.uniprot.org/citations/27281216" target="\_blank">27281216</a>). 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:<a href="http://www.uniprot.org/citations/26375003" target="\_blank">26375003</a>, PubMed:<a href="http://www.uniprot.org/citations/26375259" target="\_blank">26375259</a>, PubMed:<a href="http://www.uniprot.org/citations/27281216" target="\_blank">27281216</a>).

**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

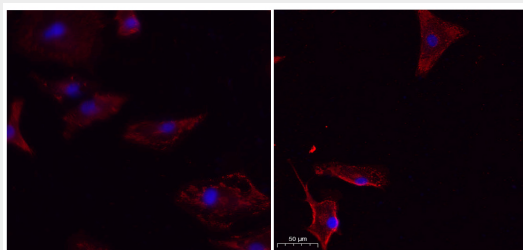
Expressed in the suprabasal cells of esophagus, as well as in the isthmus/neck, pit, and gland of the stomach, suggesting preferential expression in differentiating cells

#### GSDMD n-terminal Rabbit Polyclonal Antibody - Protocols

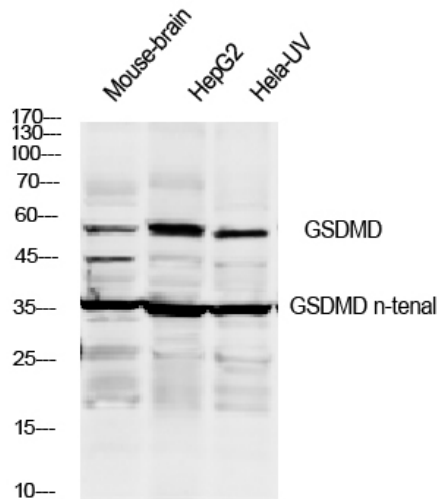
Provided below are standard protocols that you may find useful for product applications.

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

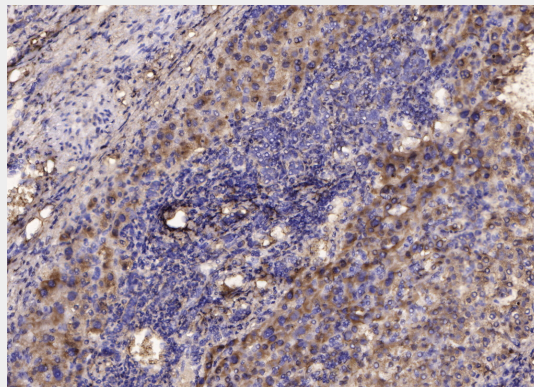
#### GSDMD n-terminal Rabbit Polyclonal Antibody - Images



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).