

**GSDMB Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8559c**

**Specification**

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**GSDMB Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8TAX9</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47348
Antigen Region	208-237

**GSDMB Antibody (Center) - Additional Information**

**Gene ID** 55876

**Other Names**

Gasdermin-B, Gasdermin-like protein, GSDMB, GSDML

**Target/Specificity**

This GSDMB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 208-237 amino acids from the Central region of human GSDMB.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GSDMB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**GSDMB Antibody (Center) - Protein Information**

**Name** GSDMB {ECO:0000303|PubMed:27281216, ECO:0000312|HGNC:HGNC:23690}

**Function** [Gasdermin-B]: Precursor of a pore-forming protein that acts as a downstream mediator of granzyme-mediated cell death (PubMed:[32299851](#)). This form constitutes the precursor of the pore-forming protein: upon cleavage, the released N-terminal moiety (Gasdermin-B, N-terminal)

binds to membranes and forms pores, triggering pyroptosis (PubMed:[32299851](#)). Also acts as a regulator of epithelial cell repair independently of programmed cell death: translocates to the plasma membrane and promotes epithelial maintenance and repair by regulating PTK2/FAK-mediated phosphorylation of PDGFA (PubMed:[35021065](#)).

#### Cellular Location

[Gasdermin-B]: Cytoplasm. Note=Vesicular localization in the apical region of gastric chief cells and colonic surface mucous cells, and the basal region of neuroendocrine cells

#### Tissue Location

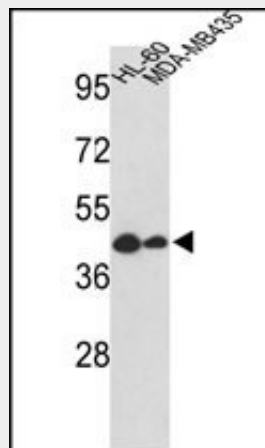
In the gastrointestinal tract, expressed in proliferating cells, including in the basal cell layer of esophagus and in isthmus/neck of stomach.

### GSDMB Antibody (Center) - 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](#)

### GSDMB Antibody (Center) - Images



Western blot analysis of GSDMB Antibody (Center) (Cat. #AP8559c) in HL-60, MDA-MB435 cell line lysates (35ug/lane). GSDMB (arrow) was detected using the purified Pab.

### GSDMB Antibody (Center) - Background

GSDMB is a protein with 3' exonuclease activity. Enzymes with this activity are involved in DNA replication, repair, and recombination. Similarity to an E. coli protein suggests that this enzyme may be a subunit of DNA polymerase III, which does not have intrinsic exonuclease activity.

### GSDMB Antibody (Center) - References

Hur,J.W., et.al., Rheumatol. Int. 28 (8), 783-789 (2008)

Chen, M.J., et al., Nucleic Acids Res. 35 (8), 2682-2694 (2007)

**GSDMB Antibody (Center) - Citations**

- [NU6300 covalently reacts with cysteine-191 of gasdermin D to block its cleavage and palmitoylation.](#)
- [GSDMB promotes non-canonical pyroptosis by enhancing caspase-4 activity.](#)
- [A functional splice variant associated with decreased asthma risk abolishes the ability of gasdermin B to induce epithelial cell pyroptosis.](#)
- [GSDMB induces an asthma phenotype characterized by increased airway responsiveness and remodeling without lung inflammation.](#)