

## GSDMB Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8559c

### Product Information

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Application	WB, E
Primary Accession	<a href="#">Q8TAX9</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22342
Calculated MW	47348
Antigen Region	208-237

### Additional Information

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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 E~~Use at an assay dependent concentration.
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.

### Protein Information

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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: <a href="#">32299851</a> ). 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.

## Background

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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.

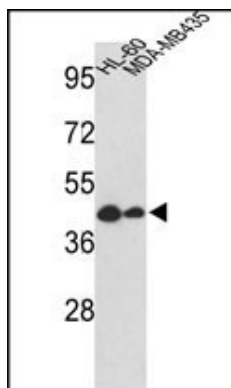
## References

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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)

## Images

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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.

## Citations

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- [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.](#)

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