

**GSDMB Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8559c****Specification**

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**GSDMB Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q8TAX9](#)**GSDMB Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 55876**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8559c](/products/AP8559c) was selected from the Center region of human GSDMB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GSDMB Antibody (Center) Blocking Peptide - 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**GSDMB Antibody (Center) Blocking Peptide - Images****GSDMB Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)