

GSDMB Rabbit pAb

CatalogNo: YN6356

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB

MW

- 46kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human GSDMB

Specificity This antibody detects endogenous levels of GSDMB at Human

Target Information

Gene name GSDMB GSDML PP4052 PRO2521

Protein Name Gasdermin-B (Gasdermin-like protein)

Organism	Gene ID	UniProt ID
Human	55876 ;	Q8TAX9 ;

Cellular Localization [Gasdermin-B]: Cytoplasm . Vesicular localization in the apical region of gastric chief cells and colonic surface mucous cells, and the basal region of neuroendocrine cells. . ; [Gasdermin-B, N-terminal]: Cell membrane ; Multi-pass membrane protein .

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

Function [Gasdermin-B]: Precursor of a pore-forming protein that acts as a downstream mediator of granzyme-mediated cell death . 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 . ; [Gasdermin-B, N-terminal]: Pore-forming protein produced by cleavage by granzyme A (GZMA), which causes membrane permeabilization and pyroptosis in target cells of cytotoxic T and natural killer (NK) cells . Key downstream mediator of granzyme-mediated cell death: (1) granzyme A (GZMA), delivered to target cells from cytotoxic T- and NK-cells, (2) specifically cleaves Gasdermin-B to generate this form . After cleavage, moves to the plasma membrane, homooligomerizes within the membrane and forms pores of 10-15 nanometers (nm) of inner diameter, triggering pyroptosis . Binds to membrane inner leaflet lipids, such as phosphatidylinositol 4-phosphate, phosphatidylinositol 5-phosphate, bisphosphorylated phosphatidylinositols, such as phosphatidylinositol (4,5)-bisphosphate, and more weakly to phosphatidic acid . Also binds sufatide, a component of the apical membrane of epithelial cells .

| Validation Data

| Contact information

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GSDMB Rabbit pAb

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