

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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