

For Research Use Only

GSDMB Recombinant antibody

Catalog Number: 86148-1-RR



Basic Information

Catalog Number:

86148-1-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC025682

GeneID (NCBI):

55876

UNIPROT ID:

Q8TAX9

Full Name:

gasdermin B

Calculated MW:

411 aa, 47 kDa

Observed MW:

47 kDa

Purification Method:

Protein A purification

CloneNo.:

250653H4

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: A431 cells, MCF-7 cells, COLO 320 cells, PC-3 cells

Background Information

GSDMB (Gasdermin B) is a member of the gasdermin family of proteins, which are involved in the regulation of pyroptosis, a form of programmed cell death. GSDMB plays a crucial role in immune responses, particularly against viral respiratory infections. It has also been implicated in various inflammatory and autoimmune diseases, as well as in cancer progression. GSDMB is known for its ability to induce pyroptosis by forming pores in cell membranes, leading to the release of inflammatory cytokines such as IL-1 β and IL-18. This process is critical for combating infections and modulating immune responses. GSDMB can be activated by granzyme A (GZMA), which is released from natural killer (NK) cells and cytotoxic T lymphocytes (CTLs), leading to inflammatory cell death and influencing the tumor immune microenvironment. GSDMB also interacts with other signaling pathways, such as the ERK pathway, to regulate cell proliferation and death. (PMID: 40452932; 38066523; 36163066)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

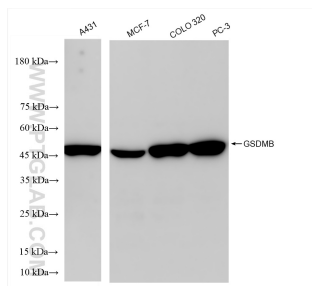
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86148-1-RR (GSDMB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.