

For Research Use Only

# GSDMB Recombinant antibody, PBS Only

Catalog Number: 86148-1-PBS



## Basic Information

**Catalog Number:**

86148-1-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human

## 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 $\beta$  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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

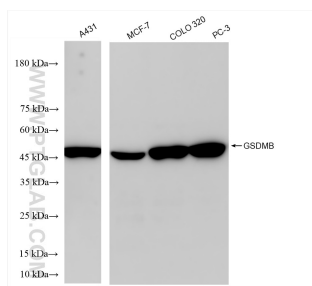
For technical support and original validation data for this product please contact:

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## 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. This data was developed using the same antibody clone with 86148-1-PBS in a different storage buffer formulation.