

For Research Use Only

# GSDMD Monoclonal antibody

Catalog Number: 66387-1-Ig **41 Publications**



## Basic Information

Catalog Number:

66387-1-Ig

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG16827

GenBank Accession Number:

BC008904

GeneID (NCBI):

79792

UNIPROT ID:

P57764

Full Name:

gasdermin D

Calculated MW:

484 aa, 53 kDa

Observed MW:

47-53 kDa

Purification Method:

Protein A purification

CloneNo.:

2E6C7

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse, rat

Positive Controls:

WB : HEK-293 cells, A431 cells, COLO 320 cells, EC109 cells, HL-60 cells, human colon tissue, human small intestine tissue, K-562 cells, Raji cells, TF-1 cells, PC-3 cells, U2OS cells, A549 cells, HepG2 cells, Jurkat cells

IP : THP-1 cells,

IF/ICC : HeLa cells,

## Background Information

GSDMD is a member of the gasdermin family. Members of this family appear to play a role in regulation of epithelial proliferation. GSDMD has been suggested to act as a tumor suppressor. Recently, GSDMD is identified as a new component of inflammasomes, and it is an executor of pyroptosis and required for interleukin-1 $\beta$  secretion. Cleavage of GSDMD by inflammatory caspases determines pyroptotic cell death.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoying Lou	36068291	Commun Biol	WB
Cintia Cevallos	36205031	J Neurochem	WB
Diego S Ojeda	30515154	Front Immunol	

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

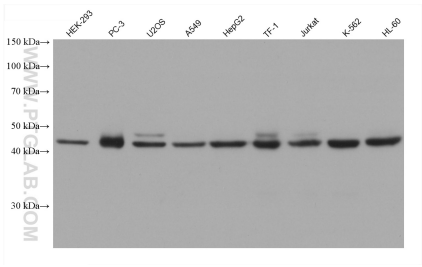
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

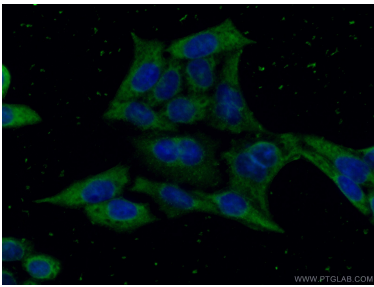
W: [ptgcn.com](http://ptgcn.com)

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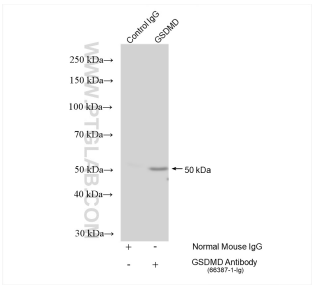
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66387-1-Ig (GSDMD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20℃ Ethanol ) fixed HeLa cells using 66387-1-Ig(GSDMD antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L).



IP result of anti-GSDMD (IP:66387-1-Ig, 4ug; Detection:66387-1-Ig 1:2000) with THP-1 cells lysate 1560 ug.