

For Research Use Only

GSDMD Monoclonal antibody

Catalog Number: 66387-1-Ig 43 Publications



Basic Information

Catalog Number: 66387-1-Ig	GenBank Accession Number: BC008904	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 79792	CloneNo.: 2E6C7
Source: Mouse	UNIPROT ID: P57764	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2a	Full Name: gasdermin D	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Immunogen Catalog Number: AG16827	Calculated MW: 484 aa, 53 kDa	IF/ICC 1:50-1:500
	Observed MW: 47-53 kDa	

Applications

Tested Applications: WB, IF/ICC, IP, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	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
Species Specificity: human	IP : THP-1 cells,
Cited Species: human, mouse, rat	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 β 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

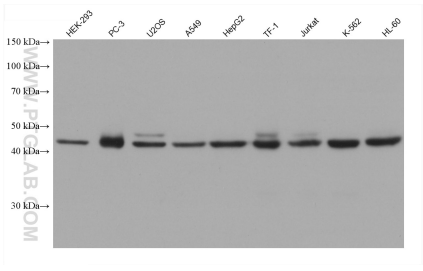
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

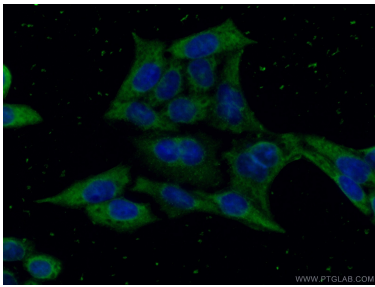
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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W: ptglab.com

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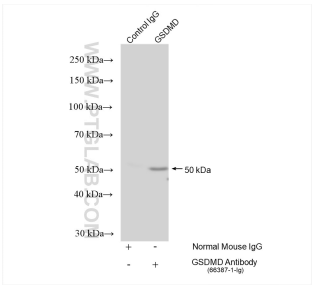
Selected Validation Data



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°C 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.