

# GSDMD Polyclonal Antibody

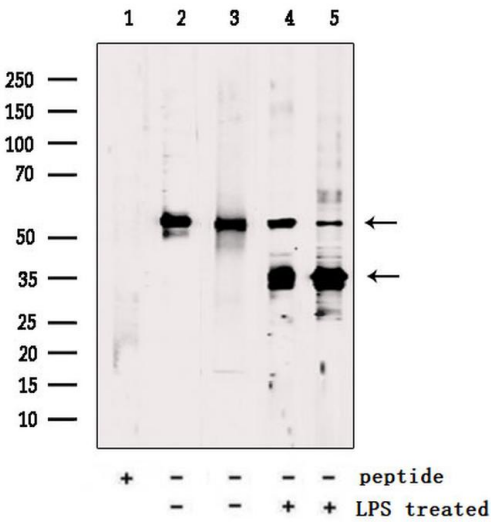
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human GSDMD(Accession P57764), corresponding to amino acid residues W50-G100.
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_2899966

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	2 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	1:50-1:200	1 Publication
Immunocytochemistry (ICC/IF)	1:50-1:200	1 Publication

## Product Specific Information

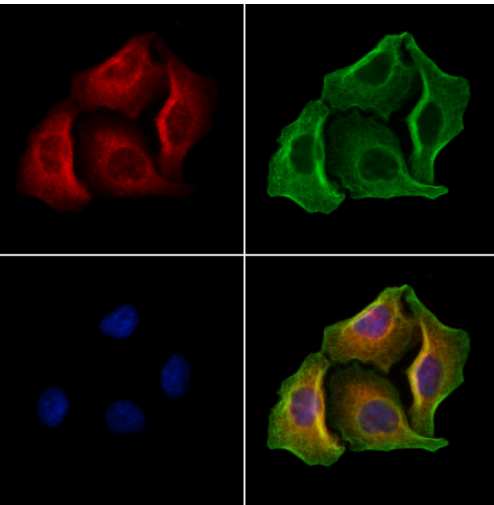
Antibody detects endogenous levels of total GSDMD protein, including precursor and the cleaved N-terminal fragment.

Product Images For GSDMD Polyclonal Antibody



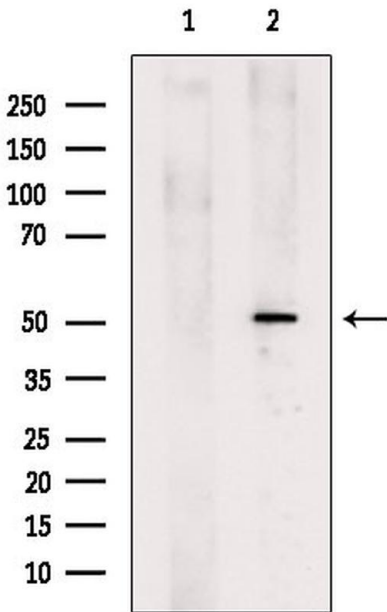
GSDMD Antibody (PA5-115330) in WB

Western blot analysis of GSDMD in various samples (Lane 1: C6 (TPA + LPS treatment) lysates treated with blocking peptide Lane 2: C6 (TPA treatment) lysates; Lane 3: HepG2 (TPA treatment) lysates; Lane 4: C6 (TPA and LPS treatment) lysates; Lane 5: HepG2 (TPA and LPS treatment) lysates). Samples were incubated with polyclonal antibody (Product # PA5-115330).



GSDMD Antibody (PA5-115330) in ICC/IF

Immunocytochemistry analysis of GSDMD in HeLa cells (LPS treated 4h). Samples were treated with PFA, permeabilized in 0.1% Triton X-100, blocked in 10% serum (45 min at 25°C), and incubated with polyclonal antibody (Product # PA5-115330) at a dilution of 1:200 (1 hr at 37°C). Secondary staining was applied with mouse anti-beta tubulin; AlexaFluor 594 conjugated goat anti-rabbit IgG (Red); AlexaFluor 88 conjugated goat anti-mouse IgG (Green) and DAPI (blue) using a dilution of 1:200 (1 hr at 37°C).



GSDMD Antibody (PA5-115330) in WB

Western blot analysis of GSDMD in B16F10 cells (left lane: treated with blocking peptide). Samples were incubated with polyclonal antibody (Product # PA5-115330).

4 References

Western Blot (2)

Frontiers in cardiovascular medicine

**Ticagrelor reduces doxorubicin-induced pyroptosis of rat cardiomyocytes by targeting GSK-3/caspase-1.**

"Published figure using GSDMD polyclonal antibody (Product # PA5-115330) in Western Blot"

Authors: Wang SH,Sun MJ,Ding SY,Liu CL,Wang JM,Han SN,Lin X,Li Q

Year

2023

Experimental physiology

**Inhibition of the glycogen synthase kinase 3-hypoxia-inducible factor 1 pathway alleviates NLRP3-mediated pyroptosis induced by high glucose in renal tubular epithelial cells.**

"PA5-115330 was used in Immunocytochemistry-immunofluorescence to demonstrate that the GSK-3-HIF-1 signalling pathway mediates HG-stimulated pyroptosis in renal tubular epithelial cells and that down-regulation of GSK-3 inhibited HG-induced pyroptosis by inhibiting the expression of HIF-1."

Authors: Wan J,Jiang Z,Liu D,Pan S,Zhou S,Liu Z

Year

2022

Species

Mouse

Dilution

1:200

Immunohistochemistry (PFA fixed) (1)

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