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GSDMA Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4887a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q96QA5
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24996
Calculated MW	49365
Antigen Region	66-94

Additional Information

Gene ID	284110
Other Names	Gasdermin-A, Gasdermin-1, GSDMA, GSDM, GSDM1
Target/Specificity	This GSDMA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-94 amino acids from the N-terminal region of human GSDMA.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GSDMA Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GSDMA (HGNC:13311)
Function	[Gasdermin-A]: This form constitutes the precursor of the pore-forming protein and acts as a sensor of infection: upon infection by S.pyogenes, specifically cleaved by S.pyogenes effector protein SpeB in epithelial cells,

	releasing the N-terminal moiety (Gasdermin-A, N- terminal) that binds to membranes and forms pores, triggering pyroptosis.
Cellular Location	[Gasdermin-A]: Cytoplasm, perinuclear region. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q5Y4Y6}
Tissue Location	Expressed predominantly in the gastrointestinal tract and, at a lower level, in the skin. Also detected in mammary gland. In the gastrointestinal tract, mainly expressed in differentiated cells, including the differentiated cell layer of esophagus and mucus-secreting pit cells of the gastric epithelium Down-regulated in gastric cancer cells.

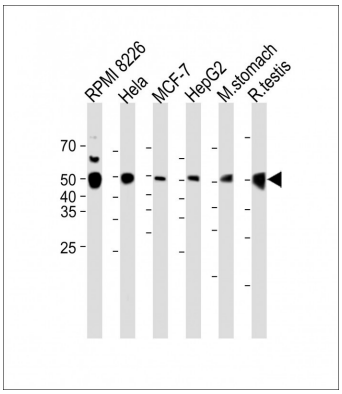
Background

GSDMA induces apoptosis.

References

Soranzo, N., et al. Nat. Genet. 41(11):1182-1190(2009)
Saeki, N., et al. Genes Chromosomes Cancer 48(3):261-271(2009)
Tamura, M., et al. Genomics 89(5):618-629(2007)

Images



All lanes: Anti-GSDMA Antibody (N-term) at 1:1000 dilution Lane 1: RPMI-8226 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: MCF-7 whole cell lysate Lane 4: HepG2 whole cell lysate Lane 5: Mouse stomach lysate Lane 6: Rat testis lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 50 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.