

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
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 0.09% (W/V) sodium azide. 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 <i>S.pyogenes</i> , specifically cleaved by <i>S.pyogenes</i> 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.

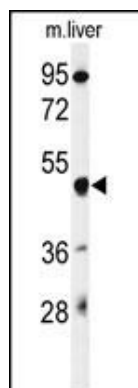
Background

GSDMA induces apoptosis.

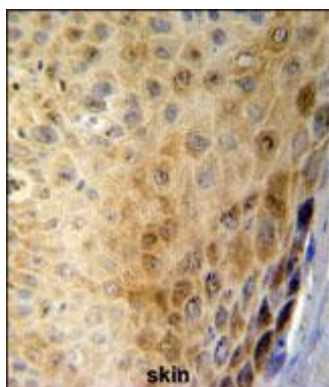
References

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



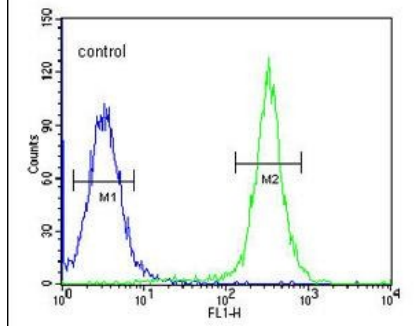
Western blot analysis of GSDMA Antibody (N-term) (Cat. #AP4887a) in mouse liver tissue lysates (35ug/lane). GSDMA (arrow) was detected using the purified Pab.



GSDMA Antibody (N-term) (Cat. #AP4887a) IHC analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GSDMA Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GSDMA Antibody (N-term) (Cat. #AP4887a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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