

Rabbit anti-Human, Mouse GSDMA Polyclonal Antibody | anti-GSDMA antibody

GSDMA Antibody (N-term)

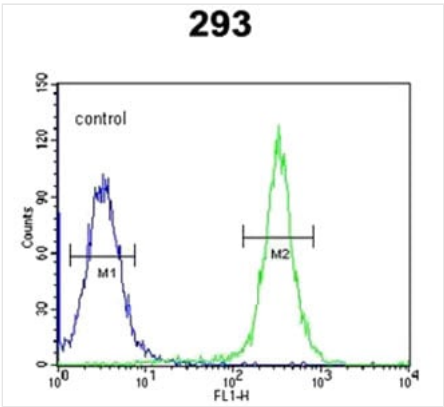
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285467	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

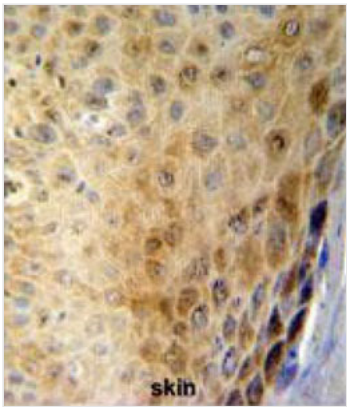
GSDMA; Polyclonal Antibody; GSDMA Antibody (N-term); Gasdermin-A; Gasdermin-1; GSDM; GSDM1; anti-GSDMA antibody

PRODUCT SPECIFICATIONS

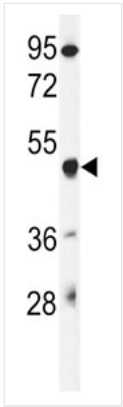
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GSDMA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-94 amino acids from the N-terminal region of human GSDMA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	66-94
Sequence Length	445
Applicable Applications for anti-GSDMA antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Cellular Location	Cytoplasm, perinuclear region. Cytoplasm, cytosol {ECO:0000250 UniProtKB:P57764}. Cell membrane {ECO:0000250 UniProtKB:P57764}
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.
Preparation and 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.



FCM/FACS (Flow Cytometry)
GSDMA Antibody (N-term) 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.



IHC (Immunohistochemistry)
GSDMA Antibody (N-term) 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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-GSDMA antibody	Background: GSDMA induces apoptosis. Function: May promote pyroptosis (Probable). Upon cleavage in vitro of genetically engineered GSDMA, the released N-terminal moiety binds to some types of lipids, such as possibly phosphatidylinositol (4,5)-bisphosphate. Homooligomerizes within the membrane and forms pores of 10 -15 nanometers (nm) of inner diameter, triggering cell death. Also binds to bacterial and mitochondrial lipids, including cardiolipin, and exhibits bactericidal activity (PubMed:27281216). The physiological relevance of these observations is unknown (Probable).
Product Categories/Family for anti-GSDMA antibody	Cell Biology
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	150456463
NCBI GeneID	284110
NCBI Accession #	NP_835465.2

NCBI GenBank Nucleotide #	NM_178171.4
UniProt Accession #	Q96QA5; Q32MC5; Q86VE7; Q8N1M6
Molecular Weight	49365
NCBI Official Full Name	gasdermin-A
NCBI Official Synonym Full Names	gasdermin A
NCBI Official Symbol	GSDMA
NCBI Official Synonym Symbols	GSDM; FKSG9; GSDM1
NCBI Protein Information	gasdermin-A
UniProt Protein Name	Gasdermin-A
UniProt Gene Name	GSDMA
UniProt Synonym Gene Names	GSDM; GSDM1
UniProt Entry Name	GSDMA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gsdma-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285467>