

Rabbit anti-Human STIM1 Monoclonal Antibody | anti-STIM1 antibody

STIM1 Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283056	Rabbit	Human	ELISA, Immunoprecipitation, Immunohistochemistry, Western Blot

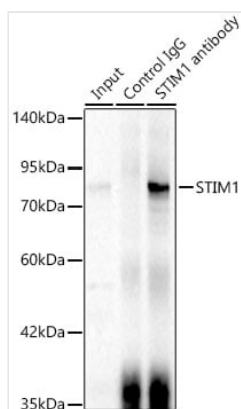
PRODUCT SYNONYMS

STIM1; Monoclonal Antibody; STIM1 Rabbit PolymAb; GOK; TAM; TAM1; IMD10; STRMK; D11S4896E; anti-STIM1 antibody

PRODUCT SPECIFICATIONS

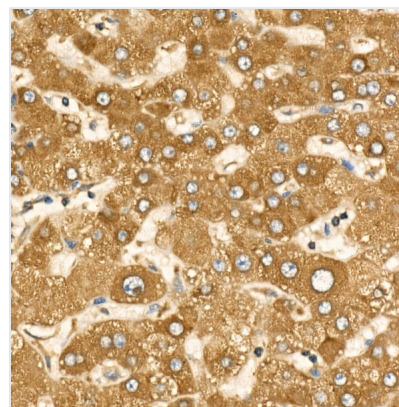
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	RQRVAPKPPQ MSRAADEALN AMTSNGSHRL IEGVHPGSLV EKLPDSPALA KKALLALNHG LDKAHSLMEL SPSAPPGGSP HLDSSRSHSP SSPDPDTPSP VGDSRALQAS RNTRIPLHAG KKAVAEEDNG SIGEETDSSP GRKKFPLKIF KKPLKK
Applicable Applications for anti-STIM1 antibody	ELISA, IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 530-685 of human STIM1. (NP_003147.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



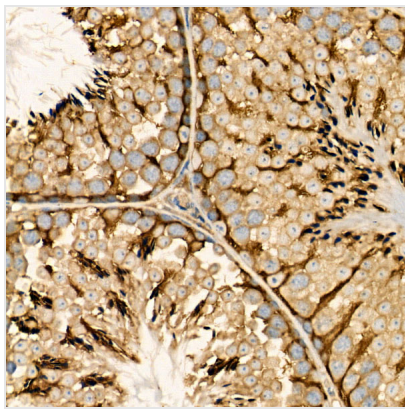
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug STIM1 antibody (AAA283056 1:50). Western blot was performed from the immunoprecipitate using STIM1 antibody (A22488) at a dilution of 1:1000.



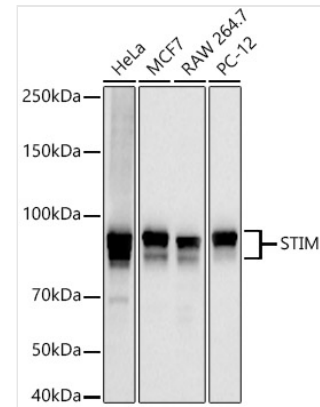
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human liver tissue using STIM1 Rabbit PolymAb® (AAA283056) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using STIM1 Rabbit PolymAb® (AAA283056) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates, using STIM1 Rabbit PolymAb® (AAA283056) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-STIM1 antibody	This gene encodes a type 1 transmembrane protein that mediates Ca ²⁺ influx after depletion of intracellular Ca ²⁺ stores by gating of store-operated Ca ²⁺ influx channels (SOCs). It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region, as well as early hematopoiesis, by mediating attachment to stromal cells. Mutations in this gene are associated with fatal classic Kaposi sarcoma, immunodeficiency due to defects in store-operated calcium entry (SOCE) in fibroblasts, ectodermal dysplasia and tubular aggregate myopathy. This gene is oriented in a head-to-tail configuration with the ribonucleotide reductase 1 gene (RRM1), with the 3' end of this gene situated 1.6 kb from the 5' end of the RRM1 gene. Alternative splicing of this gene results in multiple transcript variants.
Product Categories/Family for anti-STIM1 antibody	Cancer; Signal Transduction; Cell Biology Developmental Biology; Apoptosis; Endocrine Metabolism; Immunology Inflammation; B Cell Receptor Signaling Pathway; Neuroscience; Calcium Signaling; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	485836818
NCBI GeneID	6786
NCBI Accession #	NP_001264891.1
NCBI GenBank Nucleotide #	NM_001277962.1
UniProt Accession #	Q13586; Q8N382; E9PQJ4
Molecular Weight	Calculated MW: 77kDa Observed MW: 77-85kDa
UniProt Protein Name	Stromal interaction molecule 1
UniProt Gene Name	STIM1
UniProt Synonym Gene Names	GOK
UniProt Entry Name	STIM1_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/monoclonal/stim1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/283056>