

Rabbit STIM1 Polyclonal Antibody | anti-STIM1 antibody

STIM1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282319	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

STIM1; Polyclonal Antibody; STIM1 Rabbit pAb; D11S4896E; GOK; IMD10; STRMK; TAM; TAM1; stromal interaction molecule 1; anti-STIM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
Sequence	YLFKLLIGD SGVGKSCLLL RFADDTYTES YISTIGVDFK IRTIELDGKT IKLQIWDTAG QERFRTITSS YYRGAHGIIV VYDVTQESY ANVKQWLQEI DRYASENVNK LLVGNKSDLT TKKVDNTTA KEFADSLGIP FLETSAKNAT NVEQAFMTMA AEIKRMGPG AASGGERPNL KIDSTPVKPA GGGCC
Applicable Applications for anti-STIM1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 451-685 of human STIM1 (NP_003147.2).
Cellular Location	Cell membrane, Cytoplasm, Endoplasmic reticulum membrane, Single-pass type I membrane protein, cytoskeleton
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug STIM1 antibody. Western blot was performed from the immunoprecipitate using STIM1 antibody at a dilution of 1:1000.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using STIM1 Rabbit pAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

ADDITIONAL INFORMATION

Related Product Information for anti-STIM1 antibody	This gene encodes a type 1 transmembrane protein that mediates Ca2+ influx after depletion of intracellular Ca2+ stores by gating of store-operated Ca2+ 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, adrenocrotical 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; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13569962
NCBI GeneID	81876
NCBI Accession #	NP_112243.1
NCBI GenBank Nucleotide #	NM_030981.2
UniProt Accession #	Q9H0U4; A8K7S1
Molecular Weight	22,171 Da
NCBI Official Full Name	ras-related protein Rab-1B
NCBI Official Synonym Full Names	RAB1B, member RAS oncogene family
NCBI Official Symbol	RAB1B
NCBI Protein Information	ras-related protein Rab-1B; small GTP-binding protein
UniProt Protein Name	Ras-related protein Rab-1B
UniProt Gene Name	RAB1B
UniProt Entry Name	RAB1B_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/stim1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/282319>