

Rabbit STIM1 Polyclonal Antibody | anti-STIM1 antibody

STIM1 Antibody

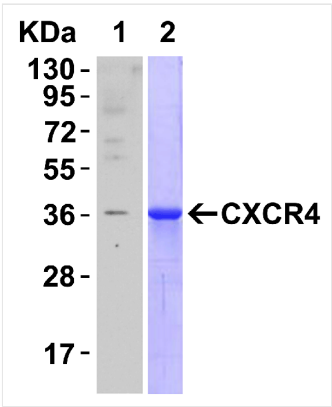
CATALOG # AAA39585	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

STIM1; Polyclonal Antibody; STIM1 Antibody; GOK; TAM; IMD10; D11S4896E; Stromal interaction molecule 1; stromal interaction molecule 1; anti-STIM1 antibody

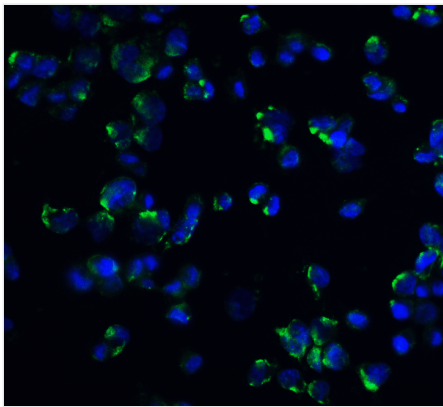
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of STIM1 are known to exist; this antibody will detect only the larger form. This STIM1 antibody is predicted to have no cross-reactivity to STIM2.
Purity/Purification	STIM1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	685
Applicable Applications for anti-STIM1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	STIM1 antibody was raised against a 24 amino acid synthetic peptide from near the carboxy terminus of human STIM1.
Buffer	STIM1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	STIM1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



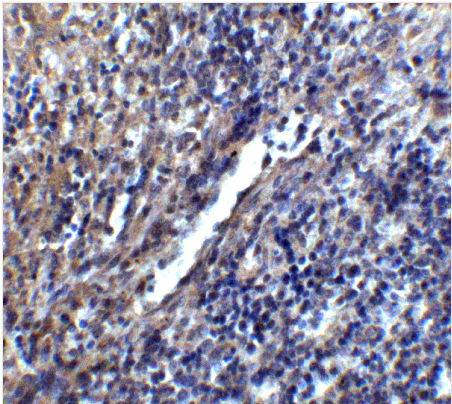
IF (Immunofluorescence)

Immunofluorescence of STIM1 in Hek293 cells with STIM1 antibody at 20 µg/mL. Red: STIM1 Antibody (4119) Blue: DAPI staining



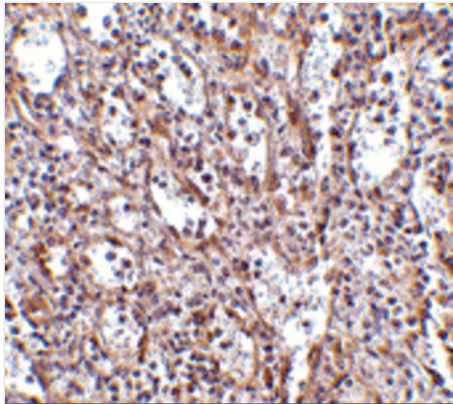
IF (Immunofluorescence)

Immunofluorescence of STIM1 in mouse spleen tissue with STIM1 antibody at 20 µg/mL. Green: STIM1 Antibody (4119) Blue: DAPI staining



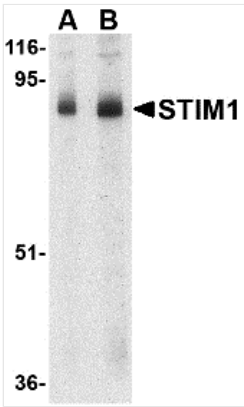
IHC (Immunohistochemistry)

Immunohistochemistry of STIM1 in mouse spleen tissue with STIM1 antibody at 5 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of STIM1 in human spleen tissue with STIM1 antibody at 2.5 µg/mL.



WB (Western Blot)

Western blot analysis of STIM1 in mouse thymus tissue lysate with STIM1 antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-STIM1 antibody

STIM1 Antibody: In T lymphocytes, the sole pathway for Ca^{2+} entry following antigen-receptor binding is through store-operated Ca^{2+} -release-activated Ca^{2+} (CRAC) channels. These channels are made up of the pore-forming subunit ORAI1 and the stromal interaction molecule 1 (STIM1), a protein that functions as a Ca^{2+} sensor and activates the CRAC channels, migrating to the plasma membrane from endoplasmic reticulum (ER)-like sites which act as the Ca^{2+} store. A related molecule, STIM2, acts to inhibit the STIM1-mediated store-operated Ca^{2+} entry, and can form complexes with STIM1, suggesting they may play a coordinated role in controlling Ca^{2+} entry.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21070997
NCBI GeneID	6786
NCBI Accession #	NP_003147
NCBI GenBank Nucleotide #	NM_003156.3
UniProt Accession #	Q13586; Q8N382; E9PQJ4
Molecular Weight	Predicted: 59; 75; 87 kDa
	Observed: 88 kDa
NCBI Official Full Name	stromal interaction molecule 1 isoform 2
NCBI Official Synonym Full Names	stromal interaction molecule 1
NCBI Official Symbol	STIM1
NCBI Official Synonym Symbols	GOK; TAM; TAM1; IMD10; STRMK; D11S4896E
NCBI Protein Information	stromal interaction molecule 1
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/polyclonal/stim1-antibody-immunohistochemistry-western-blot-elisa/39585>