

Rabbit STIM1 Polyclonal Antibody | anti-STIM1 antibody

STIM1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288560	Rabbit	Human (Predicted Reactivity: Mouse)	Immunohistochemistry, ELISA, Western Blot

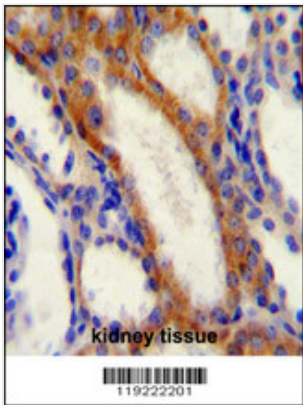
PRODUCT SYNONYMS

STIM1; Polyclonal Antibody; STIM1 Antibody (C-term); Stromal interaction molecule 1; GOK; anti-STIM1 antibody

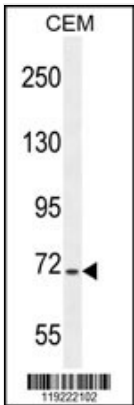
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This STIM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 509-538 amino acids from the C-terminal region of human STIM1.
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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	509-538
Sequence Length	540
Applicable Applications for anti-STIM1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
STIM1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the STIM1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
STIM1 Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the STIM1 antibody detected the STIM1 protein (arrow).

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. 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.
Product Categories/Family for anti-STIM1 antibody	Metabolism; Signal Transduction
References	Byun, M., et al. J. Exp. Med. 207(11):2307-2312(2010) Park, C.Y., et al. Science 330(6000):101-105(2010) Walsh, C.M., et al. Biochem. J. 430(3):453-460(2010) Hawkins, B.J., et al. J. Cell Biol. 190(3):391-405(2010) Woodward, O.M., et al. PLoS ONE 5 (8), E12305 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	485836818
NCBI GeneID	6786
NCBI Accession #	NP_001264891.1; NP_003147.2
NCBI GenBank Nucleotide #	NM_001277962.1
UniProt Accession #	Q13586; Q8N382; E9PQJ4
Molecular Weight	77423
NCBI Official Full Name	stromal interaction molecule 1 isoform 3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/stim1-antibody-immunohistochemistry-western-blot-elisa/288560>