

Rabbit STIM1 Polyclonal Antibody | anti-STIM1 antibody

STIM1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199551	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat	Western Blot

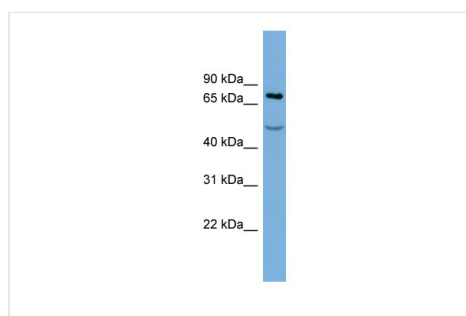
PRODUCT SYNONYMS

STIM1; Polyclonal Antibody; STIM1 antibody - middle region; anti-STIM1 antibody

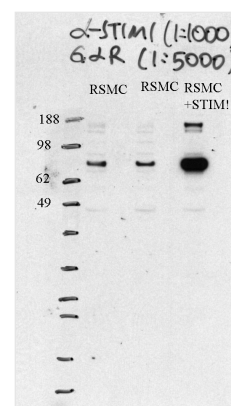
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LD SSRSHSPSSP DPDPSPVGD SRALQASRNT RIPHLAGKKA VAEEDNGS
Sequence Length	685
Applicable Applications for anti-STIM1 antibody	WB (Western Blot)
Homology	Cow: 86%; Dog: 86%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human STIM1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-STIM1 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:12500
 Positive Control: PANC1 cell lysate
 STIM1 is supported by BioGPS gene expression data to be expressed in PANC1


WB (Western Blot)

RSMC cells

ADDITIONAL INFORMATION

Related Product Information for anti-STIM1 antibody	This is a rabbit polyclonal antibody against STIM1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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	Polyclonal; Membrane Protein; Cell Biology; Membrane & Traffic

NCBI AND UNIPROT INFORMATION

NCBI GI #	21070997
NCBI GeneID	6786
NCBI Accession #	NP_003147
NCBI GenBank Nucleotide #	NM_003156
UniProt Accession #	Q13586
Molecular Weight	75kDa
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.