

Rabbit STIM1 Polyclonal Antibody | anti-STIM1 antibody

Anti-STIM1 Antibody

CATALOG # AAA46528	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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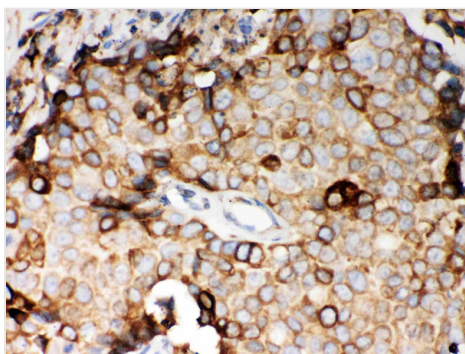
PRODUCT SYNONYMS

STIM1; Polyclonal Antibody; Anti-STIM1 Antibody; Stromal interaction molecule 1; D11S4896E; GOK; OTTHUMP00000164512; OTTHUMP00000229140; OTTHUMP00000230742; stromal interaction molecule 1; anti-STIM1 antibody

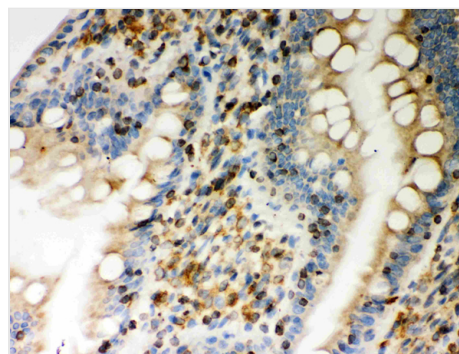
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized; Contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	540
Applicable Applications for anti-STIM1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human STIM1(45-74aa AAEFCKRIDKPLCHSEDEKLSFEAVRNHKL), identical to the related mouse and rat sequences.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

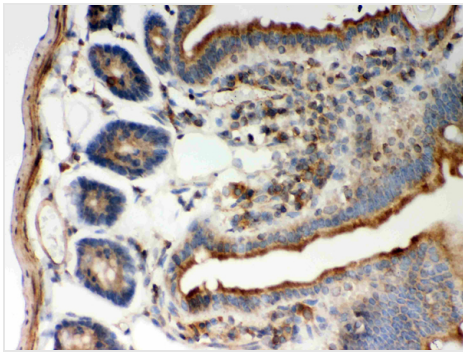
IMAGES



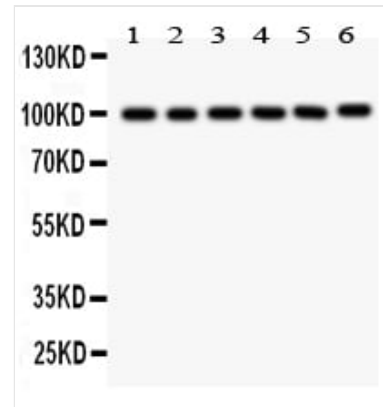
IHC (Immunohistochemistry)
Anti- STIM1 Picoband antibody, PB9406, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)
Anti- STIM1 Picoband antibody, PB9406, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti- STIM1 Picoband antibody, PB9406, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
Anti- STIM1 Picoband antibody, PB9406, Western blottingAll lanes: Anti STIM1 at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Mouse Liver Tissue Lysate at 50ugLane 3: Human Placenta Tissue Lysate at 50ugLane 4: HELA Whole Cell Lysate at 40ugLane 5: SMMC Whole Cell Lysate at 40ugLane 6: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 77KDObserved bind size: 100KD

ADDITIONAL INFORMATION

Related Product Information for anti-STIM1 antibody	Description: Rabbit IgG polyclonal antibody for Stromal interaction molecule 1(STIM1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Stromal interaction molecule 1 is a protein that in humans is encoded by the STIM1 gene. STIM1 has a single transmembranedomain, and is localized to the endoplasmic reticulum, and to a lesser extent to the plasma membrane. 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.
References	1. Parker NJ, Begley CG, Smith PJ, Fox RM (Feb 1997). "Molecular cloning of a novel human gene (D11S4896E) at chromosomal region 11p15.5". Genomics 37 (2): 253-6. 2. Soboloff, Jonathan; Rothberg, B. S.; Madesh, M.; Gill, D. L. (September 2012)."STIM proteins: dynamic calcium signal transducers". Nat Rev Mol Cell Biol 13 (9): 549-65. 3. Williams RT, Manji SS, Parker NJ, Hancock MS, Van Stekelenburg L, Eid JP, Senior PV, Kazenwadel JS, Shandala T, Saint R, Smith PJ, Dziadek MA (Jul 2001)."Identification and characterization of the STIM (stromal interaction molecule) gene family: coding for a novel class of transmembrane proteins". Biochem J 357 (Pt 3): 673-85.

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
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 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/46528>