

Rabbit Stromal Interaction Molecule 1 Monoclonal Antibody | anti-STIM1 antibody

Stromal Interaction Molecule 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312338	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot

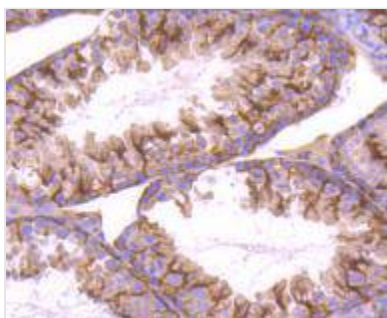
PRODUCT SYNONYMS

Stromal Interaction Molecule 1; Monoclonal Antibody; Stromal Interaction Molecule 1 Antibody; D11S4896E antibody; GOK antibody; OTTHUMP00000164512 antibody; OTTHUMP00000229140 antibody; OTTHUMP00000230742 antibody; SIM antibody; STIM 1 antibody; STIM1 antibody; Stim1 stromal interaction molecule 1 antibody; STIM1_HUMAN antibody; STIM1L antibody; Stromal interaction molecule 1 antibody; anti-STIM1 antibody

PRODUCT SPECIFICATIONS

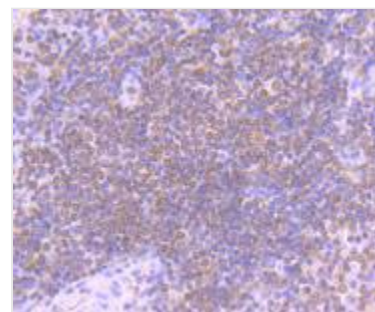
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SD0814
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-STIM1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



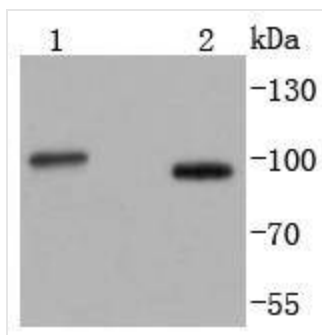
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-STIM1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-STIM1 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of STIM1 on different lysates using anti-STIM1 antibody at 1/1,000 dilution. Positive control: Lane 1: K562 Lane 2: HepG2

ADDITIONAL INFORMATION

Related Product Information for anti-STIM1 antibody	Ca ²⁺ influx is essential for a variety of cellular functions including, secretion and transcription. Stromal interaction molecule 1 (Stim1) is a ubiquitously expressed cell surface transmembrane glycoprotein that plays a role in mediating Ca ²⁺ influx following the depletion of intracellular Ca ²⁺ stores. Stim1 functions in the endoplasmic reticulum (ER) where it acts as a Ca ²⁺ sensor via its EF-hand domain which causes large conformational changes. When Ca ²⁺ levels drop, Stim1 translocates from the ER to the plasma membrane, where it activates the Ca ²⁺ release-activated Ca ²⁺ (CRAC) channel subunit, TMEM142A/Orai1. Stim2 is a potent inhibitor of Stim1-mediated store-operated calcium (SOC) entry. Stim1 is implicated in tumor growth suppression and stromal-hematopoietic cell interactions.
Product Categories/Family for anti-STIM1 antibody	Total protein Ab

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
Molecular Weight	62,133 Da
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.

