

Mouse STIM1 Monoclonal Antibody | anti-STIM1 antibody

STIM1 Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA248096	Mouse	Rat, Human, Mouse	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

STIM1; Monoclonal Antibody; STIM1 Mouse Monoclonal; Sim; anti-STIM1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	IgG2a
Specificity	Human, Mouse ,Rat; other species are not tested. Please decide the specificity by homology
Purity/Purification	Purity: >=95% as determined by SDS-PAGE Purification: Protein A+G purification
Form/Format	Liquid
Sequence Length	685
Applicable Applications for anti-STIM1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Stromal interaction molecule 1
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.3
Calculated MW	77 kD
Preparation and Storage	Store at -20°C for 24 months (Avoid repeated freeze/thaw cycles.)

IMAGES



WB (Western Blot)

Jurkat cells were subjected to SDS PAGE followed by western blot with AAA248096 (STIM1 Antibody) at dilution of 1:500



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using AAA248096 (STIM1 Antibody) at dilution of 1:200 (under 10x lens) . heat mediated antigen retrieved with Tris-EDTA buffer (pH9) .

ADDITIONAL INFORMATION

Related Product Information for anti-STIM1 antibody

Plays a role in mediating store-operated Ca(2+) entry (SOCE), a Ca(2+) influx following depletion of intracellular Ca(2+) stores (By similarity). Acts as Ca(2+) sensor in the endoplasmic reticulum via its EF-hand domain. Upon Ca(2+) depletion, translocates from the endoplasmic reticulum to the plasma membrane where it activates the Ca(2+) release-activated Ca(2+) (CRAC) channel subunit ORAI1 (PubMed:16208375). Involved in enamel formation (By similarity). Activated following interaction with TMEM110/STIMATE, leading to promote STIM1 conformational switch (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	429142778
NCBI GeneID	6786
UniProt Accession #	P84903; Q8N382; E9PQJ4; Q13586
NCBI Official Full Name	STIM1
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/stim1-antibody-immunohistochemistry-western-blot-elisa/248096>