

Datasheet for ABIN7170836
anti-STIM1 antibody (AA 2-350) (HRP)



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Overview

Quantity:	100 µg
Target:	STIM1
Binding Specificity:	AA 2-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STIM1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Stromal interaction molecule 1 protein (2-350AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	STIM1
Alternative Name:	STIM1 (STIM1 Products)
Background:	Background: Plays a role in mediating store-operated Ca(2+) entry (SOCE), a Ca(2+) influx following depletion of intracellular Ca(2+) stores (PubMed:15866891, PubMed:16005298,

Target Details

PubMed:16208375, PubMed:16537481, PubMed:16733527, PubMed:16766533, PubMed:16807233, PubMed:18854159, PubMed:19249086, PubMed:22464749, PubMed:24069340, PubMed:24351972, PubMed:24591628, PubMed:26322679, PubMed:25326555). 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, PubMed:16537481). Involved in enamel formation (PubMed:24621671). Activated following interaction with TMEM110/STIMATE, leading to promote STIM1 conformational switch (PubMed:26322679).

Aliases: 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

UniProt: [Q13586](#)

Pathways: [TCR Signaling](#), [BCR Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.