Datasheet for ABIN7270610

anti-STIM1 antibody (AA 451-685)

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Overview

Quantity:	100 µL
Target:	STIM1
Binding Specificity:	AA 451-685
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STIM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	STIM1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 451-685 of human STIM1 (NP_003147.2).
Sequence:	VAALNIDPSW MGSTRPNPAH FIMTDDVDDM DEEIVSPLSM QSPSLQSSVR QRLTEPQHGL GSQRDLTHSD SESSLHMSDR QRVAPKPPQM SRAADEALNA MTSNGSHRLI EGVHPGSLVE KLPDSPALAK KALLALNHGL DKAHSLMELS PSAPPGGSPH LDSSRSHSPS SPDPDTPSPV GDSRALQASR NTRIPHLAGK KAVAEEDNGS IGEETDSSPG RKKFPLKIFK KPLKK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification:	Affinity purification

Target Details

Target:	STIM1
Alternative Name:	STIM1 (STIM1 Products)
Background:	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.,STIM1,D11S4896E,GOK,IMD10,STRMK,TAM,TAM1,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Endocrine & Metabolism,Immunology & Inflammation,B Cell Receptor Signaling Pathway,Neuroscience,Calcium Signaling,STIM1
Molecular Weight:	62kDa/77kDa
Gene ID:	6786
UniProt:	Q13586
Pathways:	TCR Signaling, BCR Signaling

Application Details

Application Notes:	WB,1:200 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.