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Datasheet for ABIN6990746 **anti-Stim2 antibody (AA 140-190)**

Overview

Quantity:	0.1 mg
Target:	Stim2
Binding Specificity:	AA 140-190
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Stim2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	STIM2 antibody was raised against a 17 amino acid synthetic peptide from near the center of human STIM2. The immunogen is located within amino acids 140 - 190 of STIM2.
Isotype:	IgG
Purification:	STIM2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Stim2
Alternative Name:	STIM2 (Stim2 Products)
Background:	STIM2 Antibody: In T lymphocytes, the sole pathway for Ca ⁺⁺ entry following antigen-receptor binding is through store-operated Ca ⁺⁺ -release-activated Ca ⁺⁺ (CRAC) channels. These

Target Details

channels are made up of the pore-forming subunit ORAI1 and the stromal interaction molecule 1 (STIM1), a protein that functions as a Ca⁺⁺ sensor and activates the CRAC channels, migrating to the plasma membrane from endoplasmic reticulum (ER)-like sites which act as the Ca⁺⁺ store. A related molecule, STIM2, acts to inhibit the STIM1-mediated store-operated Ca⁺⁺ entry, and can form complexes with STIM1, suggesting they may play a coordinated role in controlling Ca⁺⁺ entry. At least three isoforms of STIM2 are known to exist. This STIM2 antibody is predicted to have no cross-reactivity to STIM1.

Gene ID: 57620

NCBI Accession: [NP_065911](#)

UniProt: [Q9P246](#)

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

Application Details

Application Notes: STIM2 antibody can be used for detection of STIM2 by Western blot at 0.5 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: STIM2 Antibody is supplied in PBS containing 0.02 % sodium azide.

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, 4 °C

Storage Comment: STIM2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.