

Datasheet for ABIN500829
anti-Stim2 antibody (C-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	Stim2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Stim2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	STIM2 antibody was raised against a 18 amino acid peptide from near the carboxy terminus of human STIM2.
Isotype:	IgG
Specificity:	This antibody detects STIM2 at C-term). It is predicted to have no cross-reactivity to STIM1.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	Stim2
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Target Details

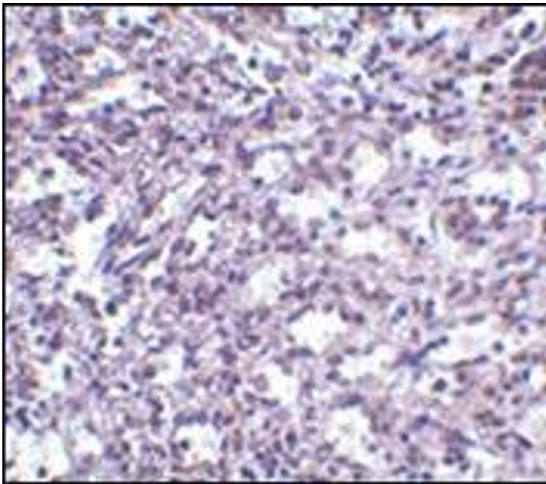
Alternative Name:	STIM2 (Stim2 Products)
Background:	<p>In T lymphocytes, the sole pathway for Ca⁺⁺ entry following antigen-receptor binding is through store-operated Ca⁺⁺-release-activated Ca⁺⁺ (CRAC) channels. These channels are made up of the pore-forming subunit ORAI1 and the stromal interaction 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. Synonyms: KIAA1482, Stromal interaction molecule 2</p>
Gene ID:	57620
NCBI Accession:	NP_065911
Pathways:	TCR Signaling , BCR Signaling

Application Details

Application Notes:	<p>ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

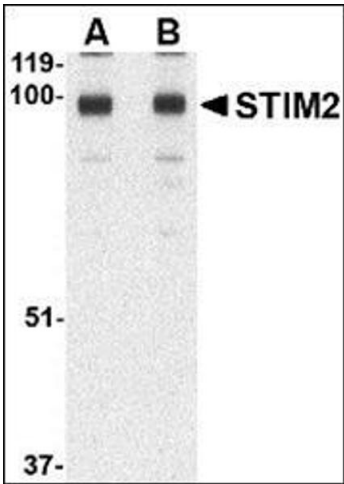
Handling

Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of STIM2 in human spleen tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of STIM2 in A-20 cell lysate AP30838PU-N at (A) 0.5 and (B) 1 µg/ml.