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www.rockland.com
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+1 484.791.3823

Datasheet for 600-601-J51

STIM2 Antibody

Overview

Description:	Anti-STIM2 (SHEEP) Antibody - 600-601-J51
Item No.:	600-601-J51
Size:	100 µg
Applications:	IHC
Reactivity:	Human
Host Species:	Sheep

Product Details

Background:	Stim II antibody functions as a calcium sensor in the endoplasmic reticulum via its EF-hand domain. After depletion of Ca+2, it is thought to translocate from the endoplasmic reticulum to the plasma membrane to activate the calcium release-activated channel subunit. It may inhibit STIM1-mediated calcium influx. Anti-Stim II antibody is ideal for investigators interested in Signal Transduction research.
Synonyms:	sheep anti-Stim2 Antibody, STIM 2, STIM-2, Stromal interaction molecule 2
Host Species:	Sheep
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	STIM2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Stim II affinity purified antibody was prepared from whole sheep serum produced by repeated immunizations with a synthetic peptide near the C-terminus of human Stim II.

Purity/Specificity:	Anti-Stim II was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with mouse and human based on 100% sequence homology. Cross-reactivity with Stim II from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9P246

Application Details

Tested Applications:	IHC
Application Note:	Anti-Stim II antibody is tested for ELISA and immunohistochemistry and suitable for Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~84kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1: 10,000
IHC:	5 µg/mL
WB:	1ug/ml

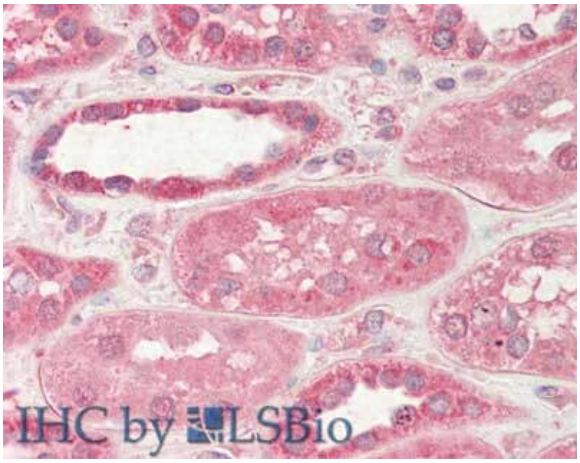
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	30% Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of Sheep anti-STIM2 antibody. Tissue: Kidney. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: STIM2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase sheep secondary antibody at 1:10,000 for 45 min at RT. Staining: STIM2 as precipitated red signal with hematoxylin purple nuclear counterstain.

Disclaimer

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