

**Datasheet for 600-401-J50****STIM2 Antibody****Overview**

<b>Description:</b>	Anti-STIM2 (RABBIT) Antibody - 600-401-J50
<b>Item No.:</b>	600-401-J50
<b>Size:</b>	100 µg
<b>Reactivity:</b>	Human
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	Stim II antibody functions as a calcium sensor in the endoplasmic reticulum via its EF-hand domain. After depletion of Ca <sup>+2</sup> , 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.
<b>Synonyms:</b>	rabbit anti-STIM2 antibody, Stromal interaction molecule 2, STIM-2, STIM 2
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	STIM2
<b>Reactivity:</b>	Human
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Stim II affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide near the N-terminus of human Stim II.
<b>Purity/Specificity:</b>	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

**Application Note:** Anti-Stim II antibody is useful for ELISA, immunohistochemistry, and 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

**WB:** 1ug/ml

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 1.04 mg/mL by UV absorbance at 280 nm

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**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.

## Disclaimer

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