

Datasheet: AHP1429

BATCH NUMBER 160802

Description:	RABBIT ANTI STIM2
Specificity:	STIM2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 1.0ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid

Antiserum Preparation Antisera to human STIM2 were raised by repeated immunisation of rabbits with highly

purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	A 17 amino acid peptide located near the centre of human STIM2.
External Database Links	UniProt: Q9P246 Related reagents Entrez Gene: 57620 STIM2 Related reagents
Synonyms	KIAA1482
RRID	AB_2198039
Specificity	<p>Rabbit anti STIM2 antibody recognizes an internal region of stromal interaction molecule-2 (STIM2), a ubiquitously expressed type I membrane protein, of which at least three isoforms have been identified.</p> <p>In T-lymphocytes and other haematopoietic cells, the mechanism for increasing intracellular Ca^{2+}, following antigen mediated T-cell activation, is through the store-operated Ca^{2+} release-activated Ca^{2+} (CRAC) channels. STIM1 is reported to activate CRAC channels upon Ca^{2+} depletion. Whereas, STIM2 acts to inhibit the STIM1-mediated store-operated Ca^{2+} entry, and forms complexes with STIM1, suggesting that these molecules may play a coordinated role in controlling Ca^{2+} entry.</p>
Western Blotting	AHP1429 detects a band of approximately 105kDa in A20 cell lysates
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP1429 10040

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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