

## Datasheet: AHP1429

<b>Description:</b>	RABBIT ANTI STIM2
<b>Specificity:</b>	STIM2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human STIM2 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	A 17 amino acid peptide located near the centre of human STIM2.

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q9P246</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">57620</a> STIM2 <a href="#">Related reagents</a>
<b>Synonyms</b>	KIAA1482
<b>RRID</b>	AB_2198039
<b>Specificity</b>	<p><b>Rabbit anti STIM2 antibody</b> 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<sup>2+</sup>, following antigen mediated T-cell activation, is through the store-operated Ca<sup>2+</sup>release-activated Ca<sup>2+</sup> (CRAC) channels. STIM1 is reported to activate CRAC channels upon Ca<sup>2+</sup>depletion. Whereas, STIM2 acts to inhibit the STIM1-mediated store-operated Ca<sup>2+</sup>entry, and forms complexes with STIM1, suggesting that these molecules may play a coordinated role in controlling Ca<sup>2+</sup>entry.</p>
<b>Western Blotting</b>	AHP1429 detects a band of approximately 105kDa in A20 cell lysates
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...)    [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...)    [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...)    [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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'M363925:200529'

**Printed on 11 Aug 2020**

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