

Datasheet: AHP1199

Description:	RABBIT ANTI SOCS-1 (N-TERMINAL)
Specificity:	SOCS-1 (N-TERMINAL)
Other names:	SUPPRESSOR OF CYTOKINE SIGNALLING 1
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			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1.0 - 2.0ug/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.

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 SOCS1 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	17 amino acid peptide sequence near the amino terminus of human SOCS1.
External Database Links	<p>UniProt: O15524 Related reagents</p> <p>Entrez Gene: 8651 SOCS1 Related reagents</p>
Synonyms	SSI1, TIP3
RRID	AB_844673
Specificity	<p>Rabbit anti Human SOCS1 antibody recognizes the amino terminal region of human Suppressor of cytokine signalling 1 (SOCS1), a ~24 kDa member of the Suppressor of cytokine signalling family. SOCS1 acts downstream of cytokine receptors and plays a role in the negative regulation of cytokine signalling. It acts mainly on the Janus kinase (JAK)/signal transducers and activators of transcription-3 (STAT3) pathway but also inhibits signalling by cytokines such as insulin and toll-like receptors. Furthermore SOCS1 is involved in ubiquitin-dependent protein degradation, plays a role in T cell activation and in the regulation of IL-6, IL-4, IL-12 and IL-15. SOCS1 is expressed ubiquitously and at elevated levels in the spleen, small intestine and peripheral blood leukocytes.</p>
Western Blotting	AHP1199 detects a band of approximately 24kDa in human spleen cell lysates.
Further Reading	<ol style="list-style-type: none"> 1. Davey, G. <i>et al.</i> (2006) SOCS1: a potent and multifaceted regulator of cytokines and cell-mediated inflammation. Tissue Antigens. 67:1-9. 2. Rakesh, K. <i>et al.</i> (2005) Controlling cytokine signaling by constitutive inhibitors. Biochem Pharmacol. 70:649-57.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	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

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

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