

Datasheet: AHP1205T

Description:	RABBIT ANTI SOCS-1 (C-TERMINAL)
Specificity:	SOCS-1 (C-TERMINAL)
Other names:	SUPPRESSOR OF CYTOKINE SIGNALLING 1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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: Rat, Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Antisera to human SOCS1 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 15 amino acid peptide located near the carboxy terminus of human SOCS1.

**External Database
Links**

UniProt:

[O15524](#) [Related reagents](#)

Entrez Gene:

[8651](#) SOCS1 [Related reagents](#)

Synonyms

SSI1, TIP3

Specificity

Rabbit anti Human SICS-1 antibody recognizes 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.

Western Blotting

AHP1205T detects a bands of approximately 1.0-23.0ug/ml in human spleen cell lysates.

Further Reading

1. Davey, G. *et al.* (2006) SOCS1: a potent and multifaceted regulator of cytokines and cell-mediated inflammation. [Tissue Antigens. 67:1-9.](#)
2. Rakesh, K. *et al.* (2005) Controlling cytokine signaling by constitutive inhibitors. [Biochem Pharmacol. 70:649-57.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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.

Shelf Life

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](#)

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

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

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

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

'M318037:180718'

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

Printed on 01 Aug 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)