

Rabbit SOCS1 Polyclonal Antibody | anti-SOCS1 antibody

SOCS1 Antibody

CATALOG # AAA39843	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
------------------------------	-----------------------	--	--

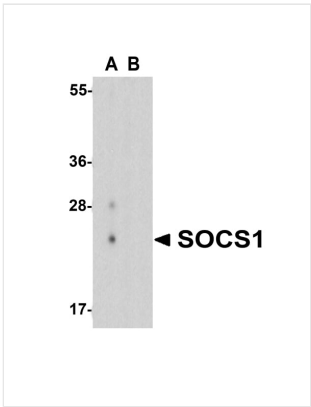
PRODUCT SYNONYMS

SOCS1; Polyclonal Antibody; SOCS1 Antibody; JAB; CIS1; SSI1; TIP3; CISH1; SSI-1; SOCS-1; Suppressor of cytokine signaling 1; JAK-binding protein; suppressor of cytokine signaling 1; anti-SOCS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	SOCS1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	211
Applicable Applications for anti-SOCS1 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SOCS1 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human SOCS1.
Buffer	SOCS1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SOCS1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



WB (Western Blot)
Western blot analysis of SOCS1 in human spleen tissue lysate with SOCS1 antibody at 1 μg/mL in (A) the absence and (B) the presence of blocking peptide

ADDITIONAL INFORMATION

Related Product Information for anti-SOCS1 antibody	SOCS1 Antibody: The Suppressor of cytokine signaling (SOCS) and cytokine-inducible SH2 proteins are a family of intracellular proteins which regulate the immune cell responses to cytokines. SOCS1 acts to suppress dendritic cell (DC) as well as T cell hyperactivation following cytokine signaling by inhibiting JAK tyrosine kinase, a kinase necessary for type I and II cytokine receptors to initiate signaling, by directly binding to the catalytic domain of the kinase. SOCS1 also possesses E3 ubiquitin protein ligase activity that results in the polyubiquitination of its target proteins and subsequent degradation by the proteosome. It is through this method that SOCS1 negatively regulates signaling by Toll-like receptors TLR2 and TLR4 by mediating the degradation of the TLR signaling adaptor protein TIRAP.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	8217331
NCBI GeneID	8651
UniProt Accession #	O15524; O15097; Q9NSA7
Molecular Weight	23,551 Da
NCBI Official Full Name	suppressor of cytokine signalling protein
NCBI Official Synonym Full Names	suppressor of cytokine signaling 1
NCBI Official Symbol	SOCS1
NCBI Official Synonym Symbols	JAB; CIS1; SSI1; TIP3; CISH1; SSI-1; SOCS-1
NCBI Protein Information	suppressor of cytokine signaling 1; TIP-3; JAK binding protein; JAK-binding protein; Tec-interacting protein 3; STAT induced SH3 protein 1; STAT-induced STAT inhibitor 1; cytokine-inducible SH2 protein 1
UniProt Protein Name	Suppressor of cytokine signaling 1
UniProt Gene Name	SOCS1
UniProt Synonym Gene Names	SSI1; TIP3; SOCS-1; JAB; SSI-1; TIP-3
UniProt Entry Name	SOCS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.