

Rabbit anti-Human SOCS2 Polyclonal Antibody | anti-SOCS2 antibody

SOCS2 Rabbit pAb

CATALOG # AAA281733	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

SOCS2; Polyclonal Antibody; SOCS2 Rabbit pAb; CIS2; Cish2; SOCS-2; SSI-2; SSI2; STATI2; anti-SOCS2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MTLRCLEPSG NGGEGTRSQW GTAGSAEEPS PQAARLAKAL RELGQTGWYW GSMTVNEAKE KLKEAPEGTF LIRDSSHSYD LLTISVKTSA GPTNLRIEYQ DGKFRDLSII CVKSKLKQFD SVVHLIDYYV QMCKDKRTGP EAPRNGTVHL YLTkPLYTSA PSLQHLCLRT INKCTGAIWG LPLPTRLDY LEEYKFQV
Applicable Applications for anti-SOCS2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-198 of human SOCS2 (NP_001257400.1).
Positive Samples	A-549, 293T
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using SOCS2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SOCS2 Rabbit pAb at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-SOCS2 antibody	Background: This gene encodes a member of the suppressor of cytokine signaling (SOCS) family. SOCS family members are cytokine-inducible negative regulators of cytokine receptor signaling via the Janus kinase/signal transducer and activation of transcription pathway (the JAK/STAT pathway). SOCS family proteins interact with major molecules of signaling complexes to block further signal transduction, in part, by proteasomal depletion of receptors or signal-transducing proteins via ubiquitination. The expression of this gene can be induced by a subset of cytokines, including erythropoietin, GM-CSF, IL10, interferon (IFN)-gamma and by cytokine receptors such as growth hormone receptor. The protein encoded by this gene interacts with the cytoplasmic domain of insulin-like growth factor-1 receptor (IGF1R) and is thought to be involved in the regulation of IGF1R mediated cell signaling. This gene has pseudogenes on chromosomes 20 and 22. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-SOCS2 antibody	Immunology & Inflammation; Jak-Stat-IL-6 Receptor Signaling Pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	394582051
NCBI GeneID	8835
NCBI Accession #	NP_001257396.1
NCBI GenBank Nucleotide #	NM_001270467.1
UniProt Accession #	O14508 ; O14542 ; O95102 ; Q9UKS5 ; A8K3D1
Molecular Weight	198
NCBI Official Full Name	suppressor of cytokine signaling 2
NCBI Official Synonym Full Names	suppressor of cytokine signaling 2
NCBI Official Symbol	SOCS2
NCBI Official Synonym Symbols	CIS2; SSI2; Cish2; SSI-2; SOCS-2; STATI2
NCBI Protein Information	suppressor of cytokine signaling 2; CIS-2; STAT induced STAT inhibitor-2; STAT-induced STAT inhibitor 2; STAT-induced STAT inhibitor-2; cytokine-inducible SH2 protein 2; suppressor of cytokine signaling-2
UniProt Protein Name	Suppressor of cytokine signaling 2
UniProt Gene Name	SOCS2
UniProt Synonym Gene Names	CIS2; SSI2; STATI2; SOCS-2; CIS-2; SSI-2
UniProt Entry Name	SOCS2_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.