

SOCS1 Antibody HRP Conjugated

Catalog No: #C00088H

Package Size: #C00088H 100ul

Description

Product Name	SOCS1 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 160-211 211 derived from human Socs 1
Conjugates	HRP
Target Name	SOCS1
Other Names	JAB; CIS1; SSI1; TIP3; CISH1; SSI-1; SOCS-1; Suppressor of cytokine signaling 1; JAK-binding protein; STAT-induced STAT inhibitor 1; Tec-interacting protein 3; TIP-3; SOCS1
Accession No.	Swiss-Prot#O15524NCBI Gene ID8651
Cell Localization	Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200

Background

SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein-tyrosine activity. Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor (LIF). Regulates interferon-gamma mediated sensory neuron survival (By similarity). Probable substrate recognition component of an ECS (Elongin BC-CUL2 5-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize JAK2. SOCS1 appears to be a negative regulator in IGF1R signaling pathway.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.