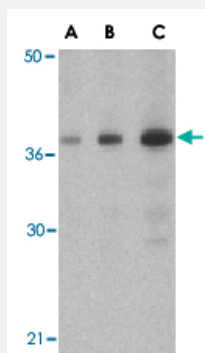


SOCS1 polyclonal antibody

Catalog # PAB13191 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of SOCS1 in human spleen tissue lysate with SOCS1 polyclonal antibody (Cat # PAB13191) at (A) 1, (B) 2 and (C) 4 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SOCS1.
Immunogen	A synthetic peptide corresponding to C-terminus 15 amino acids of human SOCS1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of SOCS1 in human spleen tissue lysate with SOCS1 polyclonal antibody (Cat # PAB13191) at (A) 1, (B) 2 and (C) 4 ug/mL .

Gene Info — SOCS1

Entrez GeneID	8651
Protein Accession#	CAB92528
Gene Name	SOCS1
Gene Alias	CIS1, CISH1, JAB, SOCS-1, SSI-1, SSI1, TIP3
Gene Description	suppressor of cytokine signaling 1
Omim ID	603597
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene can be induced by a subset of cytokines, including IL2, IL3 erythropoietin (EPO), CSF2/GM-CSF, and interferon (IFN)-gamma. The protein encoded by this gene functions downstream of cytokine receptors, and takes part in a negative feedback loop to attenuate cytokine signaling. Knockout studies in mice suggested the role of this gene as a modulator of IFN-gamma action, which is required for normal postnatal growth and survival. [provided by RefSeq]
Other Designations	JAK binding protein STAT induced SH3 protein 1 Tec-interacting protein 3 cytokine-inducible SH2 protein 1

Publication Reference

- [Suppressor of cytokine signaling 1 negatively regulates Toll-like receptor signaling by mediating Mal degradation.](#)

Mansell A, Smith R, Doyle SL, Gray P, Fenner JE, Crack PJ, Nicholson SE, Hilton DJ, O'Neill LA, Hertzog PJ.
Nature Immunology 2006 Feb; 7(2):148.

- [The SOCS box: a tale of destruction and degradation.](#)

Kile BT, Schulman BA, Alexander WS, Nicola NA, Martin HM, Hilton DJ.

Trends in Biochemical Sciences 2002 May; 27(5):235.

Application: IHC, WB-Tr, Human, Mammalian cells

- [Cytokine signaling in 2002: new surprises in the Jak/Stat pathway.](#)

O'Shea JJ, Gadina M, Schreiber RD.

Cell 2002 Apr; 109 Suppl:S121.

Application: WB, Human, Mouse, Mammalian cells

Pathway

- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Type II diabetes mellitus](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatitis C](#)
- [Insulin Resistance](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
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