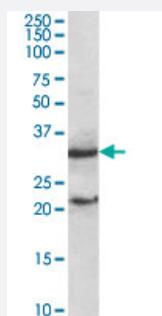


SOCS1 polyclonal antibody

Catalog # PAB6012

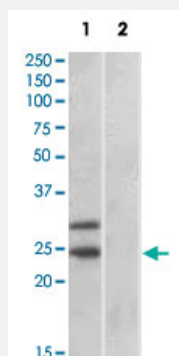
Size 100 ug

Applications



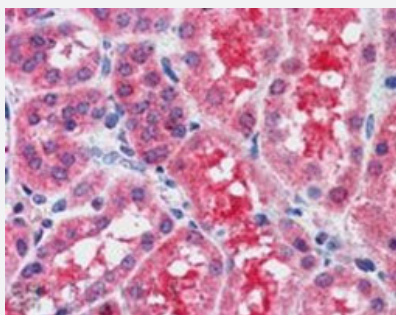
Western Blot (Tissue lysate)

SOCS1 polyclonal antibody (Cat # PAB6012) staining (2 ug/mL) of mouse spleen lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Western Blot (Transfected lysate)

HEK293 overexpressing SOCS1 and probed with SOCS1 polyclonal antibody (Cat # PAB6012) (mock transfection in lane 2).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

SOCS1 polyclonal antibody (Cat # PAB6012, 2.5 ug/mL) staining of paraffin embedded human kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description

Goat polyclonal antibody raised against synthetic peptide of SOCS1.

Immunogen	A synthetic peptide corresponding to C terminus of human SOCS1.
Sequence	C-VLRDYLSSFPFQI
Host	Goat
Theoretical MW (kDa)	23.6
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:4000) Western blot (1-3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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)

SOCS1 polyclonal antibody (Cat # PAB6012) staining (2 ug/mL) of mouse spleen lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Western Blot (Transfected lysate)

HEK293 overexpressing SOCS1 and probed with SOCS1 polyclonal antibody (Cat # PAB6012) (mock transfection in lane 2) .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

SOCS1 polyclonal antibody (Cat # PAB6012, 2.5 ug/mL) staining of paraffin embedded human kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SOCS1

Entrez GeneID [8651](#)

Protein Accession# [NP_003736.1](#)

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

- [A family of cytokine-inducible inhibitors of signalling.](#)

Starr R, Willson TA, Viney EM, Murray LJ, Rayner JR, Jenkins BJ, Gonda TJ, Alexander WS, Metcalf D, Nicola NA, Hilton DJ. Nature 1997 Jun; 387(6636):917.

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](#)
- [Osteoporosis](#)