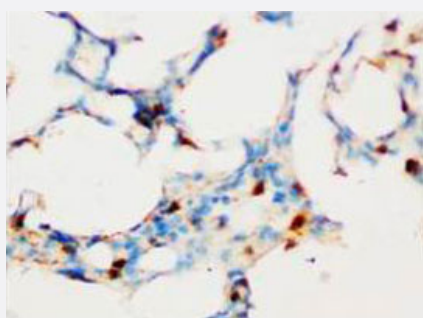


SOCS1 polyclonal antibody

Catalog # PAB8011 Size 100 ug

Applications



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

Immunohistochemical analysis of paraffin-embedded rat lung sections, stain SOCS1 in cytoplasm DAB chromogenic reaction.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SOCS1.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human SOCS1.
Host	Rabbit
Theoretical MW (kDa)	23.5
Reactivity	Human, Mouse, Rabbit, Rat
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)

Storage Instruction

Store at -20°C on dry atmosphere.
After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical analysis of paraffin-embedded rat lung sections, stain SOCS1 in cytoplasm DAB chromogenic reaction.

Gene Info — SOCS1

Entrez GeneID [8651](#)

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

- [SOCS1 is a suppressor of liver fibrosis and hepatitis-induced carcinogenesis.](#)

Yoshida T, Ogata H, Kamio M, Joo A, Shiraishi H, Tokunaga Y, Sata M, Nagai H, Yoshimura A.

The Journal of Experimental Medicine 2004 Jun; 199(12):1701.

- [Hypermethylation associated with inactivation of the SOCS-1 gene, a JAK/STAT inhibitor, in human hepatoblastomas.](#)

Nagai H, Naka T, Terada Y, Komazaki T, Yabe A, Jin E, Kawanami O, Kishimoto T, Konishi N, Nakamura M, Kobayashi Y, Emi M.

Journal of Human Genetics 2003 Feb; 48(2):65.

Application: IHC-P, Human, Hepatoblastoma cells

- [A matrix associated region localizes the human SOCS-1 gene to chromosome 16p13.13.](#)

Kramer JA, Adams MD, Singh GB, Doggett NA, Krawetz SA.

Somatic Cell and Molecular Genetics 1998 Mar; 24(2):131.

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](#)