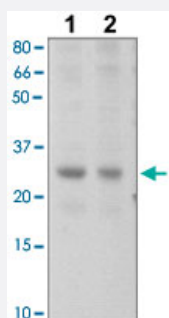


SOCS2 polyclonal antibody

Catalog # PAB12779

Size 100 ug

Applications



Western Blot (Tissue lysate)

The tissue lysates derived from mouse liver (Lane 1), mouse muscle (Lane 2) were immunoprobed by SOCS2 polyclonal antibody (Cat # PAB12779) at 1 : 500. An immunoreactive band is observed around ~23kDa.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SOCS2.
Immunogen	A synthetic peptide corresponding to C-terminus of human, mouse and rat SOCS2.
Host	Rabbit
Theoretical MW (kDa)	23
Reactivity	Human, Mouse
Specificity	This antibody recognizes ~23 KDa of SOCS2.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction

Store at 4°C. For long term storage store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

The tissue lysates derived from mouse liver (Lane 1), mouse muscle (Lane 2) were immunoprobed by SOCS2 polyclonal antibody (Cat # PAB12779) at 1 : 500. An immunoreactive band is observed around ~23kDa.

- Immunohistochemistry

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SOCS2

Entrez GeneID [8835](#)

Gene Name SOCS2

Gene Alias CIS2, Cish2, SOCS-2, SSI-2, SSi2, STATi2

Gene Description suppressor of cytokine signaling 2

Omim ID [605117](#)

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 erythropoietin, GM-CSF, IL10 and interferon (IFN)-gamma. The protein encoded by this gene is found to interact with the cytoplasmic domain of insulin-like growth factor-1 receptor (IGF1R), and thus is thought to be involved in the regulation of IGF1R mediated cell signaling. Knockout studies in mice also suggested a regulatory role of this gene in IGF-1 related growth control. [provided by RefSeq]

Other Designations STAT induced STAT inhibitor-2|cytokine-inducible SH2 protein 2|suppressor of cytokine signaling -2

Gene Info — Socs2

Entrez GeneID	84607
Gene Name	Socs2
Gene Alias	Cish2, Socs-2
Gene Description	suppressor of cytokine signaling 2
Gene Ontology	Hyperlink
Other Designations	cytokine inducible SH2-containing protein 2

Gene Info — Socs2

Entrez GeneID	216233
Gene Name	Socs2
Gene Alias	8030460M17, AI527257, AW108012, CIS2, Cish2, D130043N08Rik, JAB, MGC118106, SOCS-2, SSI-2, hg
Gene Description	suppressor of cytokine signaling 2
Gene Ontology	Hyperlink
Other Designations	STAT-induced STAT inhibitor 2 cytokine inducible SH2-containing protein 2 cytokine-inducible SH2 protein 2

Publication Reference

- [Interaction of human suppressor of cytokine signaling \(SOCS\)-2 with the insulin-like growth factor-I receptor.](#)
Dey BR, Spence SL, Nissley P, Furlanetto RW.
The Journal of Biological Chemistry 1998 Sep; 273(37):24095.

Pathway

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

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Infant](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Respiratory Syncytial Virus Infections](#)