



SOCS-2 Monoclonal Antibody

Catalog No	YP-mAb-04219
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SOCS2
Immunogen	The antiserum was produced against synthesized peptide derived from human SOCS-2. AA range:18-67
Specificity	SOCS-2 Monoclonal Antibody detects endogenous levels of SOCS-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SSI2;SOCS-2;SOCS 2;Cytokine-inducible SH2 protein 2;CIS-2;SOCS2;Suppressor of cytokine signaling 2;CIS2;STAT12;STAT-induced STAT inhibitor 2;SSI-2
Observed Band	22kD
Calculated Molecular Weight	22kD
Cell Pathway	cytoplasm,cytosol,
Tissue Specificity	High expression in heart, placenta, lung, kidney and prostate. Predominantly expressed in pulmonary epithelia cells, specifically type II pneumocytes.
Function	domain:The SOCS box domain mediates the interaction with the Elongin BC complex, an adapter module in different E3 ubiquitin ligase complexes., function:SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS2 appears to be a negative regulator in the growth hormone/IGF1 signaling pathway. Probable substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.,induction:By a subset of cytokines, including erythropoietin and granulocyte-macrophage



colony stimulating factor (GM-CSF).,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SOCS box domain.,subunit:Interacts with IGF1 receptor, prolactin receptor and growth h

Background

This gene encodes a member of the suppressor of cytokine signaling (SOCS) family. SOCS family members are cytokine-inducible negative regulators of cytokine receptor signaling via the Janus kinase/signal transducer and activation of transcription pathway (the JAK/STAT pathway). SOCS family proteins interact with major molecules of signaling complexes to block further signal transduction, in part, by proteasomal depletion of receptors or signal-transducing proteins via ubiquitination. The expression of this gene can be induced by a subset of cytokines, including erythropoietin, GM-CSF, IL10, interferon (IFN)-gamma and by cytokine receptors such as growth hormone receptor. The protein encoded by this gene interacts with the cytoplasmic domain of insulin-like growth factor-1 receptor (IGF1R) and is thought to be involved in the regulation of IGF1R mediated cell signaling. This gene has

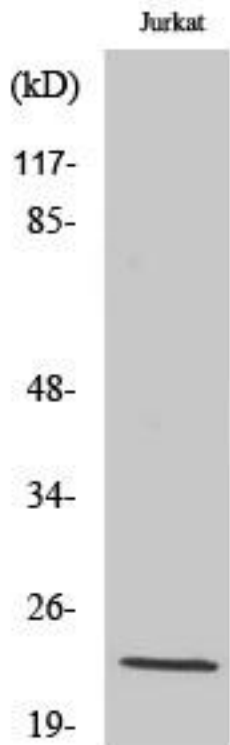
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SOCS-2 Monoclonal Antibody