BT LAB
Bioassay Technology Laboratory
Optimize Your Research

SOCS-2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08441
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human SOCS-2. AA range:18-67
Mol wt	22172
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	SOCS-2 Antibody
Synonyms	SOCS2; CIS2; SSI2; STATI2; Suppressor of cytokine signaling 2; SOCS-2; Cytokine-inducible SH2 protein 2; CIS-2; STAT-induced STAT inhibitor 2; SSI-2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

SOCS2 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 horomone receptor. Suppressor of cytokine signaling 2 encoded by SOCS2 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 pseudogenes on chromosomes 20 and 22. Alternative splicing results in multiple transcript variants.

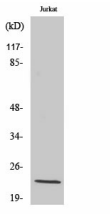
Recommended Dilution

WB: 1: 500 - 1: 2000

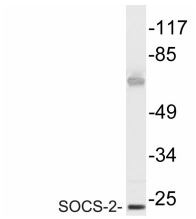
ELISA: 1: 10000

Not yet tested in other applications.

Images



Western Blot analysis of various cells using SOCS-2 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysate from Jurkat cells, using SOCS-2 antibody.

Storage

-20°C for one year

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