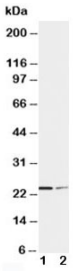
SOCS1 Antibody / TIP3 / SSI1 (R30258)

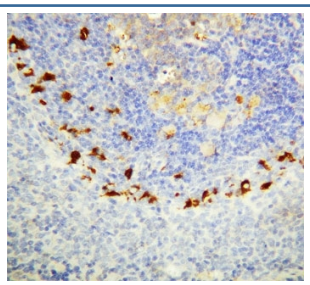
Catalog No.	Formulation	Size
R30258	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O15524
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This SOCS1 antibody is available for research use only.



Western blot testing of SOCS1 antibody and Lane 1: HT1080; 2: COLO320 cell lysate. Predicted molecular weight ~ 24 kDa.



IHC-P: SOCS1 antibody testing of rat spleen tissue

Description

Suppressor of cytokine signaling 1 (SOCS1), also known as Jak-binding protein (JAB) and Tec-interacting protein 3 (TIP3), is a negative regulator to a subset of protein-tyrosine kinases. This 211-amino acid protein has a molecular mass of about 23.5 kD. The TEC-binding region of SOCS1 resides in the N terminus. SOCS1 associates with Tec and suppresses its kinase activity. The SOCS1 gene is intronless and is mapped to on chromosome 16p13.13. SOCS1 regulates the JAK/STAT signal-transduction pathway. Moreover, it contributes to protection against hepatic injury and fibrosis, and may also protect against hepatocarcinogenesis.

SOCS1 Antibody detects a cytokine signaling inhibitor involved in immune pathway regulation and JAK STAT feedback control; additional cytokine signaling research tools are available on our SOCS1 Antibody / Cytokine Signaling Regulator Antibody page.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the SOCS1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human SOCS1 (NPVLRDYLSSFPFQI) was used as the immunogen for this SOCS1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the SOCS1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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