

SOCS1

Reactivity:Mouse Rat

Tested applications:WB IHC IF FC

Recommended Dilution:WB 1:500 - 1:1000 IHC 1:50 - 1:200 IF 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW:23kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human SOCS1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

SSI1;TIP3;

Catalog #:A0820

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:8651

Isotype:IgG

Swiss Prot:O15524

Purity:Affinity purification

For research use only.

Background:

SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK/STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein- tyrosine activity. Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor (LIF) Regulates interferon-gamma mediated sensory neuron survival (By similarity). Probable substrate recognition component of an ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize JAK2. SOCS1 appears to be a negative regulator in IGF1R signaling pathway.

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