

**Goat anti-SOCS1, biotinylated Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF4348a****Specification**

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**Goat anti-SOCS1, biotinylated Antibody - Product Information**

Application	WB, Pep-ELISA
Primary Accession	<a href="#">O15524</a>
Other Accession	<a href="#">NP_003736.1</a>
Reactivity	Human, Mouse, Rat, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	23551

**Goat anti-SOCS1, biotinylated Antibody - Additional Information****Gene ID** 8651**Other Names**

SOCS1; suppressor of cytokine signaling 1; CIS1; CISH1; JAB; SOCS-1; SSI-1; SSI1; TIP3; JAK binding protein; JAK-binding protein; STAT induced SH3 protein 1; STAT-induced STAT inhibitor 1; TIP-3; Tec-interacting protein 3; cytokine-inducible SH2 protein 1

**Dilution**

WB~~1:1000  
Pep-ELISA~~N/A

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-SOCS1, biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-SOCS1, biotinylated Antibody - Protein Information****Name** SOCS1**Synonyms** SSI1, TIP3 {ECO:0000303|PubMed:9341160}**Function**

Essential negative regulator of type I and type II interferon (IFN) signaling, as well as that of other

cytokines, including IL2, IL4, IL6 and leukemia inhibitory factor (LIF) (PubMed:<a href="http://www.uniprot.org/citations/32499645" target="\_blank">32499645</a>, PubMed:<a href="http://www.uniprot.org/citations/33087723" target="\_blank">33087723</a>). Downregulates cytokine signaling by inhibiting the JAK/STAT signaling pathway. Acts by binding to JAK proteins and to IFNGR1 and inhibiting their kinase activity. In vitro, suppresses Tec protein-tyrosine activity (PubMed:<a href="http://www.uniprot.org/citations/9341160" target="\_blank">9341160</a>). Regulates IFN-gamma (IFNG)- 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 (PubMed:<a href="http://www.uniprot.org/citations/11278610" target="\_blank">11278610</a>, PubMed:<a href="http://www.uniprot.org/citations/11313480" target="\_blank">11313480</a>).

**Cellular Location**

Nucleus. Cytoplasmic vesicle. Note=Detected in perinuclear cytoplasmic vesicles upon interaction with FGFR3

**Tissue Location**

Expressed in all tissues with high expression in spleen, small intestine and peripheral blood leukocytes

**Goat anti-SOCS1, biotinylated Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-SOCS1, biotinylated Antibody - Images**