

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

Specification

Goat anti-SOCS1, biotinylated Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	O15524
Other Accession	NP_003736.1
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

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:32499645, PubMed:33087723). 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:9341160). 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:11278610, PubMed:11313480).

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