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Goat anti-SOCS1, biotinylated Antibody

Peptide-affinity purified goat antibody
Catalog # AF4348a

Product Information

Application	WB, Pep-ELISA
Primary Accession	O15524
Other Accession	NP_003736.1
Reactivity	Human, Mouse, Rat, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Clone Names	SOCS1
Calculated MW	23551

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.

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