

Anti-SOCS7 antibody



Description	Unconjugated Rabbit polyclonal to SOCS7
Model	STJ191479
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	30837
Gene Symbol	SOCS7
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	SOCS7 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in brain and leukocytes. Also in fetal lung fibroblasts and fetal brain.
Purification	SOCS7 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Suppressor of cytokine signaling 7 SOCS-7 Nck, Ash and phospholipase C gamma-binding protein Nck-associated protein 4 NAP-4
Molecular Weight	63 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:29846OMIM:608788
Alternative Names	Suppressor of cytokine signaling 7 SOCS-7 Nck, Ash and phospholipase C gamma-binding protein Nck-associated protein 4 NAP-4
Function	Regulates signaling cascades probably through protein ubiquitination and/or sequestration. Functions in insulin signaling and glucose homeostasis through IRS1 ubiquitination and subsequent proteasomal degradation. Inhibits also prolactin, growth hormone and leptin signaling by preventing STAT3 and STAT5 activation, sequestering them in the cytoplasm and reducing their binding to DNA. May be a substrate recognition component of a SCF-like E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins .
Sequence and Domain Family	The SOCS box domain mediates the interaction with the Elongin BC complex, an adapter module in different E3 ubiquitin ligase complexes . It is required for IRS1 ubiquitination and subsequent proteasomal degradation.
Cellular Localization	Cytoplasm. Cell membrane. Peripheral membrane protein. Cytoplasmic side. Nucleus. Mostly cytoplasmic, but shuttles between the cytoplasm and the nucleus. Rapidly relocates to the nucleus after UV irradiation. Cytoplasmic location depends upon SEPT7 presence.