



SOCS7 Polyclonal Antibody

Catalog No	BYab-06245
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	SOCS7 NAP4 SOCS6
Protein Name	Suppressor of cytokine signaling 7 (SOCS-7) (Nck, Ash and phospholipase C gamma-binding protein) (Nck-associated protein 4) (NAP-4)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SOCS7 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	63kD
Cell Pathway	Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus. Mostly cytoplasmic, but shuttles between the cytoplasm and the nucleus. Rapidly relocalizes to the nucleus after UV irradiation. Cytoplasmic location depends upon SEPT7 presence.
Tissue Specificity	Expressed in brain and leukocytes. Also in fetal lung fibroblasts and fetal brain.
Function	domain:The SOCS box domain mediates the interaction with the Elongin BC complex, an adapter module in different E3 ubiquitin ligase complexes (By similarity). It is required for IRS1 ubiquitination and subsequent proteasomal degradation.,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

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matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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