

SOCS7 rabbit pAb**Cat#: orb773196 (Manual)**

For research use only. Not intended for diagnostic use.

Product Name	SOCS7 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000
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..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Suppressor of cytokine signaling 7 (SOCS-7) (Nck, Ash and phospholipase C gamma-binding protein) (Nck-associated protein 4) (NAP-4)
Gene Name	SOCS7 NAP4 SOCS6
Cellular localization	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	63kD
Human Gene ID	30837
Human Swiss-Prot Number	O14512
Alternative Names	

Background

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 SCF-like E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.,induction:By IL6, prolactin and growth hormone.,pathway:Protein modification; protein ubiquitination.,sequence caution:Contaminating sequence. The N-terminus may be contaminated with vector sequence.,sequence caution:Translated as stop.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SOCS box domain.,subunit:Interacts with phosphorylated IRS4 and PIK3R1 (By similarity). Interacts, via the third proline-rich region, with the second SH3 domain of the adapter protein NCK1. Also interacts with GRB2, INSR, IRS1, PLCG1, SORBS3/vinexin, and phosphorylated STAT3 and STAT5.,tissue specificity:Expressed in brain and leukocytes. Also in fetal lung fibroblasts and fetal brain.,