

Goat Anti-SOCS7 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2021a**Specification**

Goat Anti-SOCS7 Antibody - Product Information

Application	WB
Primary Accession	O14512
Other Accession	NP_055413 , 30837
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	62969

Goat Anti-SOCS7 Antibody - Additional Information**Gene ID** 30837**Other Names**

Suppressor of cytokine signaling 7, SOCS-7, Nck, Ash and phospholipase C gamma-binding protein, Nck-associated protein 4, NAP-4, SOCS7, NAP4, SOCS6

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

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-SOCS7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SOCS7 Antibody - Protein Information**Name** SOCS7**Synonyms** NAP4, SOCS6**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 (By similarity).

Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus.
Note=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 Location

Expressed in brain and leukocytes. Also in fetal lung fibroblasts and fetal brain.

Goat Anti-SOCS7 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-SOCS7 Antibody - Images



AF2021a (1 µg/ml) staining of Daudi lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-SOCS7 Antibody - References

Higher expression levels of SOCS 1,3,4,7 are associated with earlier tumour stage and better clinical outcome in human breast cancer. Sasi W, et al. BMC Cancer, 2010 Apr 30. PMID 20433750.
Hepatitis C virus core protein genotype 3a increases SOCS-7 expression through PPAR- γ in Huh-7 cells. Pazienza V, et al. J Gen Virol, 2010 Jul. PMID 20357037.
Septins regulate actin organization and cell-cycle arrest through nuclear accumulation of NCK mediated by SOCS7. Kremer BE, et al. Cell, 2007 Sep 7. PMID 17803907.
DNA sequence of human chromosome 17 and analysis of rearrangement in the human lineage. Zody MC, et al. Nature, 2006 Apr 20. PMID 16625196.
Deletion of SOCS7 leads to enhanced insulin action and enlarged islets of Langerhans. Banks AS, et

al. J Clin Invest, 2005 Sep. PMID 16127460.