

SOCS7 Antibody (C-term) Blocking Peptide

Synthetic peptide

Catalog # BP171111b

Specification

SOCS7 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O14512](#)**SOCS7 Antibody (C-term) Blocking Peptide - 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

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SOCS7 Antibody (C-term) Blocking Peptide - 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.

SOCS7 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SOCS7 Antibody (C-term) Blocking Peptide - Images

SOCS7 Antibody (C-term) Blocking Peptide - Background

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SOCS7 Antibody (C-term) Blocking Peptide - References

Pazienza, V., et al. J. Gen. Virol. 91 (PT 7), 1678-1686 (2010) :Sasi, W., et al. BMC Cancer 10, 178 (2010) :Kremer, B.E., et al. Cell 130(5):837-850(2007)Zody, M.C., et al. Nature 440(7087):1045-1049(2006)Banks, A.S., et al. J. Clin. Invest. 115(9):2462-2471(2005)