

SOCS1 Blocking Peptide
Catalog # PBV10400b**Specification**

SOCS1 Blocking Peptide - Product Information

Primary Accession	O9OX78
Gene ID	252971
Calculated MW	23826

SOCS1 Blocking Peptide - Additional Information

Application & Usage	The peptide is used for blocking the antibody activity of SOCS1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.
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Other Names

Suppressor of cytokine signaling 1, SOCS-1, Socs1

Target/Specificity

SOCS1

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

SOCS1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

SOCS1 Blocking Peptide - Protein Information**Name** Socs1**Function**

Essential negative regulator of type I and type II interferon (IFN) signaling, as well as that of other cytokines, including IL2, IL4, IL6 and leukemia inhibitory factor (LIF). Downregulates cytokine signaling by inhibiting the JAK/STAT signaling pathway. Acts by binding to JAK proteins and to IFNGR1 and inhibiting their kinase activity. In vitro, suppresses Tec protein-tyrosine activity. Regulates IFN-gamma (IFNG)-mediated sensory neuron survival. Probable substrate recognition component of an ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin ligase complex which

mediates the ubiquitination and subsequent proteasomal degradation of target proteins.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:O15524}. Cytoplasmic vesicle {ECO:0000250|UniProtKB:O15524}. Note=Detected in perinuclear cytoplasmic vesicles upon interaction with FGFR3 {ECO:0000250|UniProtKB:O15524}

SOCS1 Blocking Peptide - 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](#)

SOCS1 Blocking Peptide - Images