

**SOCS6 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP14118a****Specification**

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**SOCS6 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [O14544](#)**SOCS6 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 9306**Other Names**

Suppressor of cytokine signaling 6, SOCS-6, Cytokine-inducible SH2 protein 4, CIS-4, Suppressor of cytokine signaling 4, SOCS-4, SOCS6, CIS4, SOCS4

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP14118a was selected from the N-term region of SOCS6. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**SOCS6 Antibody (N-term) Blocking peptide - Protein Information****Name** SOCS6**Synonyms** CIS4, SOCS4**Function**

SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. May be a substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5- SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity). Regulates KIT degradation by ubiquitination of the tyrosine-phosphorylated receptor.

**SOCS6 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **SOCS6 Antibody (N-term) Blocking peptide - Images**

#### **SOCS6 Antibody (N-term) Blocking peptide - Background**

The protein encoded by this gene contains a SH2 domain and a CIS homolog domain. The protein thus belongs to the cytokine-induced STAT inhibitor (CIS), also known as suppressor of cytokine signaling (SOCS) or STAT-induced STAT inhibitor (SSI), protein family. CIS family members are known to be cytokine-inducible negative regulators of cytokine signaling. The expression of this gene can be induced by GM-CSF and EPO in hematopoietic cells. A high expression level of this gene was found in factor-independent chronic myelogenous leukemia (CML) and erythroleukemia (HEL) cell lines.

#### **SOCS6 Antibody (N-term) Blocking peptide - References**

Bailey, S.D., et al. Diabetes Care (2010) In press : Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Choi, Y.B., et al. J. Biol. Chem. 285(10):7271-7280 (2010) Lai, R.H., et al. Gene 448(1):64-73 (2009) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642 (2009)