

SOCS4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14548c

Specification

SOCS4 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O8WXH5
Other Accession	NP_955453.1 , NP_543143.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50623
Antigen Region	224-253

SOCS4 Antibody (Center) - Additional Information

Gene ID 122809

Other Names

Suppressor of cytokine signaling 4, SOCS-4, Suppressor of cytokine signaling 7, SOCS-7, SOCS4, SOCS7

Target/Specificity

This SOCS4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 224-253 amino acids from the Central region of human SOCS4.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SOCS4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SOCS4 Antibody (Center) - Protein Information

Name SOCS4

Synonyms SOCS7

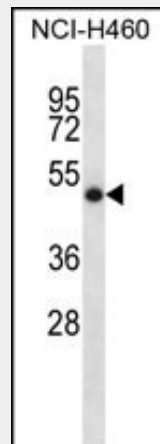
Function SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. Substrate- recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Inhibits EGF signaling by mediating the degradation of the Tyr-phosphorylated EGF receptor/EGFR.

SOCS4 Antibody (Center) - 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](#)

SOCS4 Antibody (Center) - Images



SOCS4 Antibody (Center) (Cat. #AP14548c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the SOCS4 antibody detected the SOCS4 protein (arrow).

SOCS4 Antibody (Center) - Background

The protein encoded by this gene contains a SH2 domain and a SOCS BOX domain. The protein thus belongs to the suppressor of cytokine signaling (SOCS), also known as STAT-induced STAT inhibitor (SSI), protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine signaling. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.

SOCS4 Antibody (Center) - References

- Hu, G., et al. *J. Infect. Dis.* 202(1):125-135(2010)
Han, S., et al. *Hum. Immunol.* 71(7):727-730(2010)
Rajaraman, P., et al. *Cancer Epidemiol. Biomarkers Prev.* 19(5):1356-1361(2010)
Sasi, W., et al. *BMC Cancer* 10, 178 (2010) :

Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 18(5):1651-1658(2009)