

SOCS4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP14548c

Product Information

Application WB, E
Primary Accession Q8WXH5

Other Accession NP_955453.1, NP_543143.1

Reactivity Human
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB34490
Calculated MW 50623
Antigen Region 224-253

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 E~~Use at an assay dependent concentration.

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.

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.

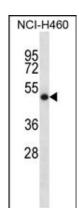
Background

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.

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)

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.