

Rabbit anti-Human SOCS4 Polyclonal Antibody | anti-SOCS4 antibody

SOCS4 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287442	Rabbit	Human	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

SOCS4; Polyclonal Antibody; SOCS4 Antibody (Center); Suppressor of cytokine signaling 4; SOCS-4; Suppressor of cytokine signaling 7; SOCS-7; SOCS7; anti-SOCS4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SOCS4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 227-254 amino acids from the Central region of human SOCS4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	227-254
Sequence Length	440
Applicable Applications for anti-SOCS4 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of SOCS4 Antibody (Center) with A2058 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

SOCS4 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SOCS4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of lysate from MCF-7 cell line,using SOCS4 Antibody (Center).
AAA287442 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-SOCS4 antibody	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.
Product Categories/Family for anti-SOCS4 antibody	Crown Antibodies; Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18254466
NCBI GeneID	122809
NCBI Accession #	NP_543143.1; NP_955453.1
NCBI GenBank Nucleotide #	NM_080867.2
UniProt Accession #	Q8WXH5
Molecular Weight	50623
NCBI Official Full Name	suppressor of cytokine signaling 4
NCBI Official Synonym Full Names	suppressor of cytokine signaling 4
NCBI Official Symbol	SOCS4
NCBI Official Synonym Symbols	SOCS7
NCBI Protein Information	suppressor of cytokine signaling 4
UniProt Protein Name	Suppressor of cytokine signaling 4
UniProt Gene Name	SOCS4
UniProt Synonym Gene Names	SOCS7; SOCS-4; SOCS-7
UniProt Entry Name	SOCS4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.