

Rabbit SOCS1 Polyclonal Antibody | anti-SOCS1 antibody

SOCS1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23501	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Immunohistochemistry, Western Blot

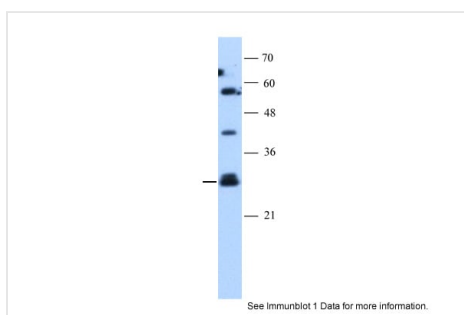
PRODUCT SYNONYMS

SOCS1; Polyclonal Antibody; SOCS1 antibody - N-terminal region; anti-SOCS1 antibody

PRODUCT SPECIFICATIONS

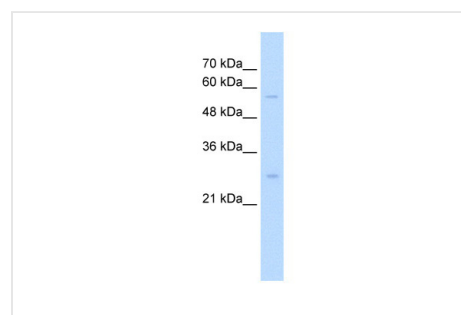
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: RR PEPSSSSSS PAAPARPRPC PAVPAPAPGD THFRTFRSHA DYRRITRA
Sequence Length	211
Applicable Applications for anti-SOCS1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 92%; Guinea Pig: 93%; Horse: 90%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SOCS1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



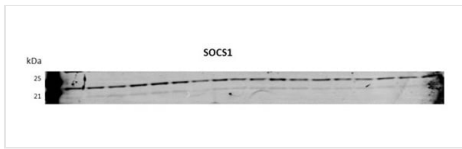
WB (Western Blot)

WB Suggested Anti-SOCS1 Antibody Titration: 1.25ug/ml Sample Type: Jurkat Lysate (20ug)/Å, Sample Type: Jurkat cell lysate



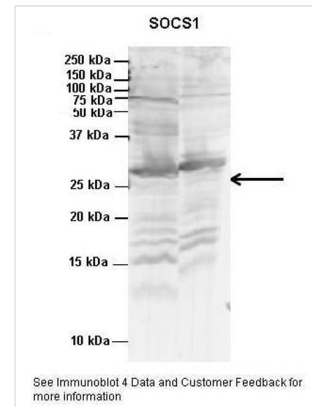
WB (Western Blot)

SOCS1 antibody - N-terminal region validated by WB using Jurkat cell lysate at 0.2-1 ug/ml.



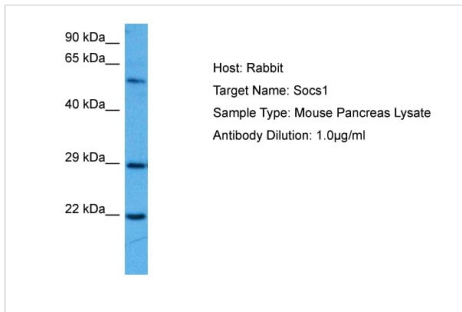
WB (Western Blot)

SOCS1 antibody - N-terminal region validated by WB using Huh7 Cells transfected with microRNA at 1:1000.



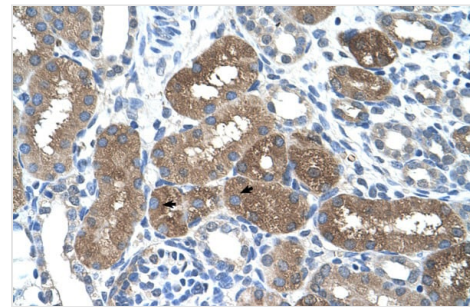
WB (Western Blot)

Lanes:1. Mouse WT brain extract (80ug) 2. Rat brain extract (80ug)Primary Antibody Dilution:2ug/mlSecondary Antibody:IRDye 800CW goat anti-rabbit from Li-COR BioscienceSecondary Antibody Dilution:1: 20,000Gene Name:SOCS1Submitted by:Dr. Yuzhi Chen, University of Arkansas for Medical Science



WB (Western Blot)

Host: MouseTarget Name: SOCS1Sample Tissue: Mouse PancreasAntibody Dilution: 1ug/ml



IHC (Immunohistochemistry)

Rabbit Anti-SOCS1 AntibodyParaffin Embedded Tissue: Human KidneyCellular Data: Epithelial cells of renal tubuleAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-SOCS1 antibody

This is a rabbit polyclonal antibody against SOCS1. It was validated on Western Blot and immunohistochemistry

Target Description: SOCS1 is a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. SOCS1 functions downstream of cytokine receptors, and takes part in a negative feedback loop to attenuate cytokine signaling. Knockout studies in mice suggested the role of its gene as a modulator of IFN-gamma action, which is required for normal postnatal growth and survival.This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene can be induced by a subset of cytokines, including IL2, IL3 erythropoietin (EPO), CSF2/GM-CSF, and interferon (IFN)-gamma. The protein encoded by this gene functions downstream of cytokine receptors, and takes part in a negative feedback loop to attenuate cytokine signaling. Knockout studies in mice suggested the role of this gene as a modulator of IFN-gamma action, which is required for normal postnatal growth and survival.

Product Categories/Family for anti-SOCS1 antibody

Polyclonal; Lymphocyte Signaling; Tissue Specific & Cell Marker; Immunohistochemistry; Phosphorylation; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507233
NCBI GeneID	8651
NCBI Accession #	NP_003736
NCBI GenBank Nucleotide #	NM_003745
UniProt Accession #	O15524

Molecular Weight	23kDa
NCBI Official Full Name	suppressor of cytokine signaling 1
NCBI Official Synonym Full Names	suppressor of cytokine signaling 1
NCBI Official Symbol	SOCS1
NCBI Official Synonym Symbols	JAB; CIS1; SSI1; TIP3; CISH1; SSI-1; TIP-3; SOCS-1
NCBI Protein Information	suppressor of cytokine signaling 1
UniProt Protein Name	Suppressor of cytokine signaling 1
UniProt Gene Name	SOCS1
UniProt Synonym Gene Names	SSI1; TIP3; SOCS-1; JAB; SSI-1; TIP-3
UniProt Entry Name	SOCS1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/socs1-antibody-immunohistochemistry-western-blot-elisa/23501>