

ARG55427 anti-SOCS4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SOCS4
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SOCS4
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 227-254 (Center) of Human SOCS4.
Conjugation	Un-conjugated
Alternate Names	SOCS7; SOCS-7; Suppressor of cytokine signaling 4; Suppressor of cytokine signaling 7; SOCS-4

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:10 - 1:50
	IHC-P	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	

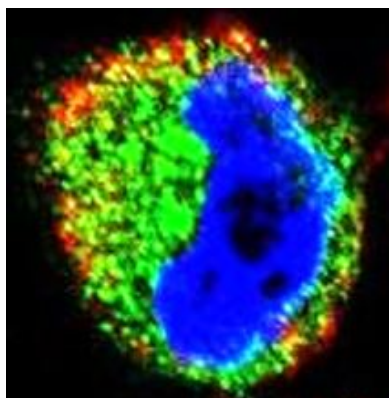
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

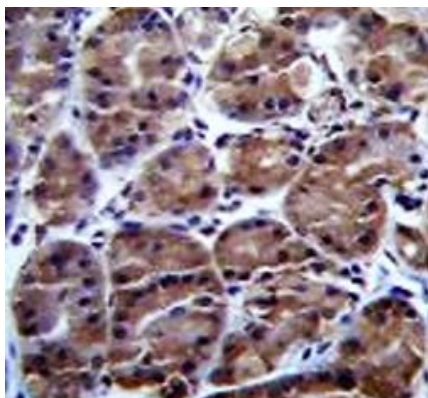
Database links	GeneID: 122809 Human Swiss-port # Q8WXH5 Human
Gene Symbol	SOCS4
Gene Full Name	suppressor of cytokine signaling 4
Background	The protein encoded by this gene contains a SH2 domain and a SOCS BOX domain. The protein thus belongs to the suppressor of cytokine signaling (SOCS), also known 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. [provided by RefSeq, Jul 2008]
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. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	51 kDa

Images



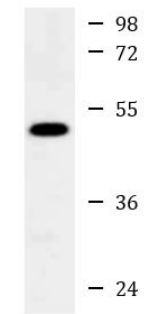
ARG55427 anti-SOCS4 antibody ICC/IF image

Immunofluorescence: A2058 cells stained with ARG55427 anti-SOCS4 antibody (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI (blue) for nuclear staining.



ARG55427 anti-SOCS4 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human stomach tissue stained with ARG55427 anti-SOCS4 antibody.



MCF7

ARG55427 anti-SOCS4 antibody WB image

Western blot: 35 µg of MCF7 cell lysate stained with ARG55427 anti-SOCS4 antibody at 1:1000 dilution.