



Rabbit Anti-Human SOCS3 polyclonal antibody (CABT-L1851)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody may react with (Predicted by homology) : Bovine, Chicken, Dog, Mouse, Rabbit, Rat
Target	SOCS3
Immunogen	Synthetic peptide corresponding to C-terminus of human SOCS-3 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	27 kDa
Cellular Localization	Cytoplasm
Positive Control	Placenta, Testis
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	< 0.1% Sodium Azide

Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
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BACKGROUND

Introduction	Accumulating evidence demonstrates that cytokine receptor signaling is negatively regulated by a family of Src homology 2 domain-containing adaptor molecules Termed SOCS (Suppressor of Cytokine Signaling) . To date, there are eight members of SOCS family have been recognized, they are SOCS-1, 2, 3, 4, 5, 6, 7 and CIS. Structurally the SOCS proteins are composed of an N-terminal region of variable length and amino acid composition, a central SH2 domain, and a previously unrecognized C-terminal motif that we have called the SOCS box. The SOCS proteins appear to form part of a classical negative feed back loop that regulates cytokine signal transduction via a STAT-induced transcriptional mechanism. Transcription of each of the SOCS genes occurs rapidly in vitro and in vivo in response to cytokines, and once produced, the various members of the SOCS family appear to inhibit signaling in different ways.
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Keywords	SOCS3;suppressor of cytokine signaling 3;CIS3;SSI3;ATOD4;Cish3;SSI-3;SOCS-3;STAT-induced STAT inhibitor 3;cytokine-inducible SH2 protein 3
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GENE INFORMATION

Entrez Gene ID	9021
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UniProt ID	O14543
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