



Rabbit Anti-Human SOCS2 polyclonal antibody (CABT-L1850)

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, Dog, Mouse, Rabbit, Rat
Target	SOCS2
Immunogen	Synthetic peptide corresponding to C-terminus of human SOCS-2 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	23 kDa
Cellular Localization	Cytoplasm
Positive Control	Pancreas
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.

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 the SOCS family that 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 feedback 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.

Keywords

SOCS2; suppressor of cytokine signaling 2; CIS2; CISH2; SOCS 2; SSI 2; SSI2; STAT induced STAT inhibitor 2; STAT12; CIS-2

GENE INFORMATION

Entrez Gene ID

[8835](#)

UniProt ID

[O14508](#)
