

Polyclonal Antibody to SOCS2 / CIS2 (C-term) - Purified

Alternate names:	CIS-2, Cytokine-inducible SH2 protein 2, SOCS-2, SSI-2, SSI2, STAT-induced STAT inhibitor 2, STATI2, Suppressor of cytokine signaling 2
Catalog No.:	AP15780PU-N
Quantity:	1 ml
Background:	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.
Uniprot ID:	014508
NCBI:	9606
GeneID:	8835
Host:	Rabbit
Immunogen:	Synthetic peptide corresponding to C-terminal of Human SOCS-2 protein. Remarks: Epitope: C-terminus Molecular Weight: 23 kDa
Format:	State: Liquid purified IgG fraction. Purification: Affinity Chromatography. Buffer System: PBS, pH 7.6 with 1% BSA as stabilizer and 0.09% Sodium Azide as preservative.
Applications:	Immunohistochemistry on Paraffin Sections: 1/100 for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween. <i>Positive Control:</i> Pancreas. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes SOCS-2. Cellular Localization: Cytoplasm.
Species Reactivity:	Tested: Human.

Storage: Store the antibody undiluted at 2-8°C.
DO NOT FREEZE!
Shelf life: one year from despatch.

Pictures: AP15780PU-N SOCS2 antibody staining of Human Pancreas.

