

Anti-SOCS2 Antibody
Rabbit polyclonal antibody to SOCS2
Catalog # AP59759

Specification

Anti-SOCS2 Antibody - Product Information

Application	WB
Primary Accession	O14508
Other Accession	Q35717
Reactivity	Human, Mouse, Rat, Monkey, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22172

Anti-SOCS2 Antibody - Additional Information

Gene ID 8835

Other Names

CIS2; SSI2; STATI2; Suppressor of cytokine signaling 2; SOCS-2; Cytokine-inducible SH2 protein 2; CIS-2; STAT-induced STAT inhibitor 2; SSI-2

Target/Specificity

Recognizes endogenous levels of SOCS2 protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-SOCS2 Antibody - Protein Information

Name SOCS2 {ECO:0000303|PubMed:10512686, ECO:0000312|HGNC:HGNC:19382}

Function

Substrate-recognition component of a cullin-5-RING E3 ubiquitin-protein ligase complex (ECS complex, also named CRL5 complex), which mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as EPOR and GHR (PubMed:11781573, PubMed:21980433, PubMed:25505247, PubMed:31182716, PubMed:31182716).

href="http://www.uniprot.org/citations/34857742" target="_blank">34857742). Specifically recognizes and binds phosphorylated proteins via its SH2 domain, promoting their ubiquitination (PubMed:21980433, PubMed:25505247, PubMed:31182716, PubMed:34857742, PubMed:37816714). The ECS(SOCS2) complex acts as a key regulator of growth hormone receptor (GHR) levels by mediating ubiquitination and degradation of GHR, following GHR phosphorylation by JAK2 (PubMed:21980433, PubMed:25505247, PubMed:34857742). The ECS(SOCS2) also catalyzes ubiquitination and degradation of JAK2-phosphorylated EPOR (PubMed:11781573).

Cellular Location

Cytoplasm.

Tissue Location

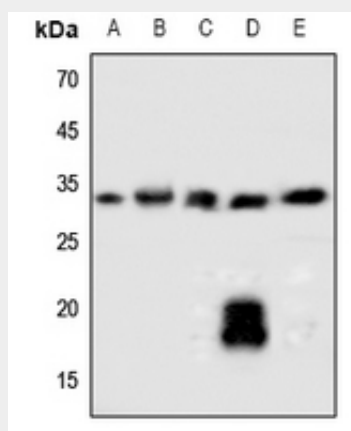
High expression in heart, placenta, lung, kidney and prostate. Predominantly expressed in pulmonary epithelia cells, specifically type II pneumocytes.

Anti-SOCS2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SOCS2 Antibody - Images



Western blot analysis of SOCS2 expression in HEK293T (A), Hela (B), mouse lung (C), mouse liver (D), rat liver (E) whole cell lysates.

Anti-SOCS2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SOCS2. The exact sequence is proprietary.