

## Anti-SOCS1 Antibody Picoband®

Catalog Number: PA1074

### About SOCS1

Suppressor of cytokine signaling 1 (SOCS1), also known as Jak-binding protein (JAB), is a negative regulator to a subset of protein-tyrosine kinases. This 211-amino acid protein has a molecular mass of about 23.5 kD. The TEC-binding region of SOCS1 resides in the N terminus. SOCS1 associates with Tec and suppresses its kinase activity. The SOCS1 gene is intronless and is mapped to on chromosome 16p13.13. SOCS1 regulates the JAK/STAT signal-transduction pathway. Moreover, it contributes to protection against hepatic injury and fibrosis, and may also protect against hepatocarcinogenesis.

### Overview

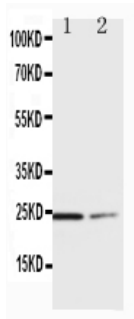
Product Name	Anti-SOCS1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SOCS1 Antibody catalog # PA1074. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O15524

### Technical Details

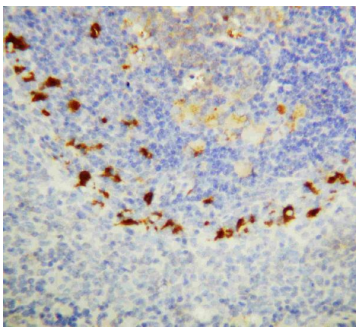
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SOCS1, identical to the related mouse and rat sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

## Anti-SOCS1 Antibody Picoband® (PA1074) Images



Anti-SOCS1 antibody, PA1074, Western blotting  
Lane 1: HT1080 Cell Lysate  
Lane 2: COLO320 Cell Lysate



Anti-SOCS1 antibody, PA1074, IHC(P)  
IHC(P): Rat Spleen Tissue

### 3 Publications Citing This Product

1. PubMed ID: 10.7150/ijbs.62478, Tubular cell-derived exosomal miR-150-5p contributes to renal fibrosis following unilateral ischemia-reperfusion injury by activating fibroblast in vitro and in vivo
2. PubMed ID: 20003295, The effects of HIF-1alpha on gene expression profiles of NCI-H446 human small cell lung cancer cells
3. PubMed ID: 29228585, Yang M, Tian M, Zhang X, Xu J, Yang B, Yu J, Li F, Li Y, Li S, Li X. Oncotarget. 2017 Jun 16;8(57):96958-96969. doi: 10.18632/oncotarget.18555. eCollection 2017 Nov 14. Role of the JAK2/STAT3 signaling pathway in the pathogenesis of type 2 diabete...

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