

Anti-SOCS1 Antibody

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

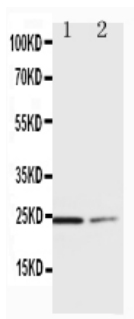
Product Name	Anti-SOCS1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SOCS1 Antibody catalog # PA1074. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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

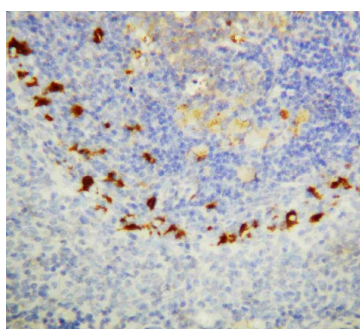
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SOCS1, identical to the related mouse and rat sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, 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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: 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 (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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