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39-2061: Anti-SOCS1 Polyclonal Antibody

Clonality :	Polyclonal
Application :	WB,IHC-P
Reactivity :	Human, Rat
Gene :	SOCS1
Gene ID :	8651
Uniprot ID :	O15524
Format :	Lyophilized
Alternative Name :	Suppressor of cytokine signaling 1; SOCS-1; JAK-binding protein; JAB; STAT-induced STAT inhibitor 1; SSI-1; Tec-interacting protein 3; TIP-3; SOCS1; SSI1, TIP3
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide corresponding to a sequence at the C-terminus of human SOCS1(197-211aa NPVLRDYLSSFPFQI), identical to the related mouse and rat sequences.

Description

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.

Product Info

Amount :	100 µg/vial
Purification :	Immunogen affinity purified.
Content :	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Storage condition :	At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and thawing.

Application Note

Western blot : 0.1-0.5Ã¼g/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1Ã¼g/ml

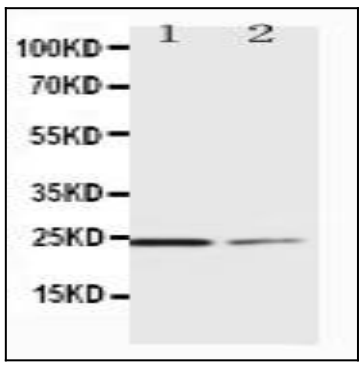


Figure 1: Anti-SOCS1 antibody(39-2061). Western blotting : Lane 1: HT1080 Cell Lysate , Lane 2: COLO320 Cell Lysate.

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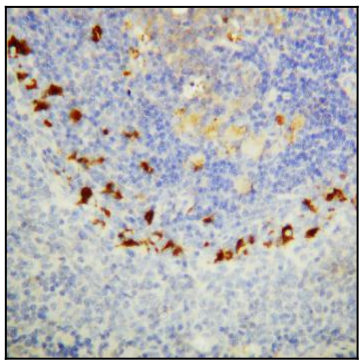


Figure 2: Anti-SOCS1 antibody(39-2061). IHC(P): Rat Spleen Tissue.

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