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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB05040 - Goat Anti-SOCS1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SOCS1, JAB, CIS1, SSI1, TIP3, CISH1, SSI-1, SOCS-1, suppressor of cytokine signaling 1, JAK binding protein, Tec-interacting protein 3, STAT induced SH3 protein 1, cytokine-inducible SH2 protein 1, STAT-induced STAT inhibitor 1, TIP-3

Official Symbol: SOCS1

Accession Number(s): NP_003736.1

Human GeneID(s): [8651](#)

Non-Human GeneID(s): 12703 (mouse)

Immunogen

Peptide with sequence C-VLRDYLSFPFQI, from the C Terminus of the protein sequence according to NP_003736.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 8µg/ml. Paraffin embedded Mouse Kidney. Recommended concentration: 5-10µg/ml.

Immunofluorescence: Expression of the protein seen in the cytoplasm and nucleus of MCF7 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Dog, Cow, Rat, Pig

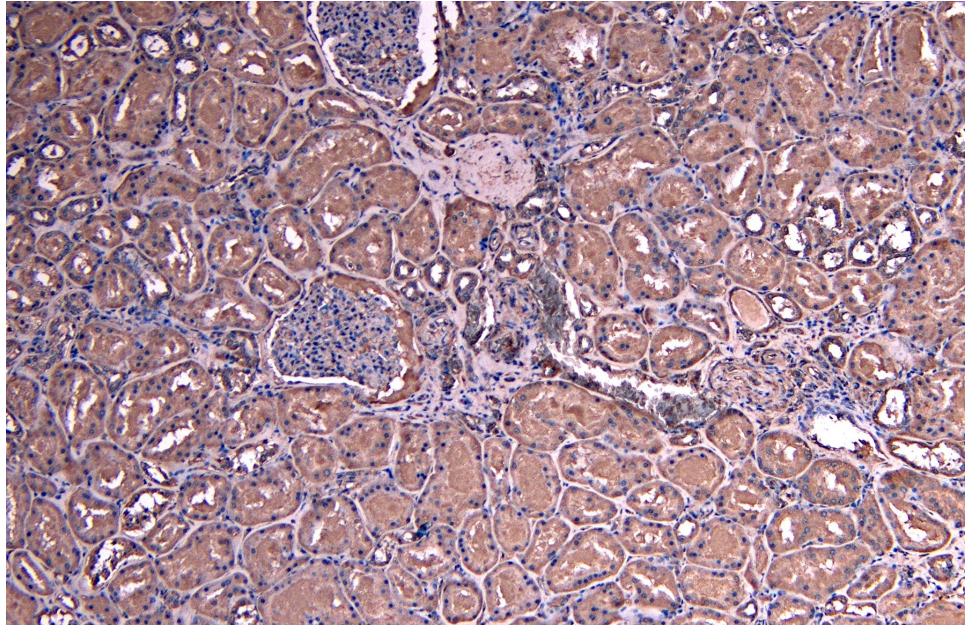
Specific Reference

This antibody (previous batch) has been successfully used in FC on Mouse:

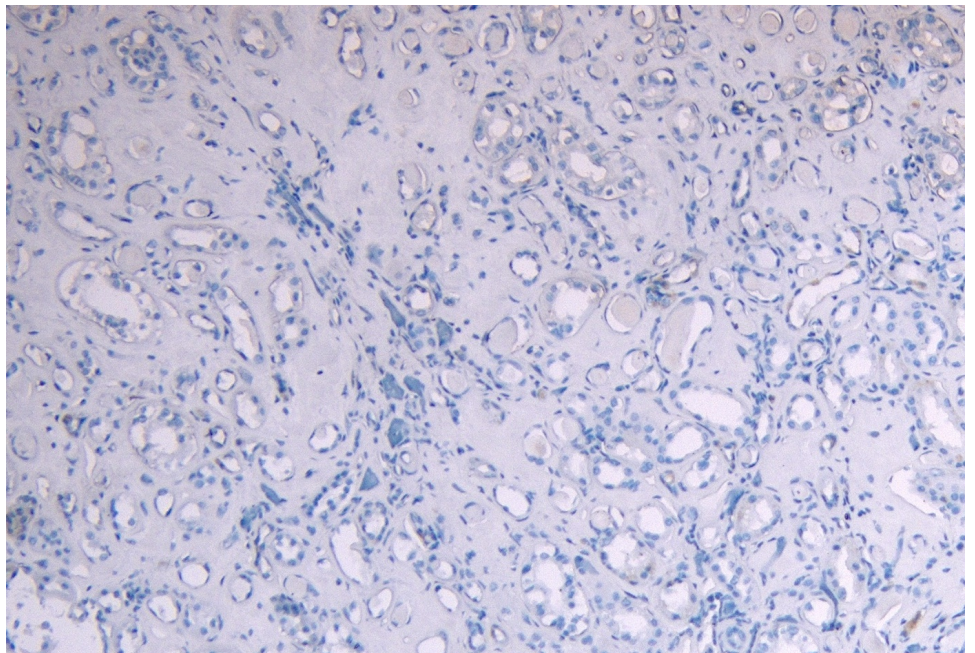
Elham Beyranvand Nejad, Camilla Labrie, Marit J van Elsas, Jan Willem Kleinovink, Hans-Willi Mittrücker, Kees L M C Franken, Sylvia Heink, Thomas Korn, Ramon Arens, Thorbald van Hall, Sjoerd H van der Burg

IL-6 signaling in macrophages is required for immunotherapy-driven regression of tumors J Immunother Cancer. 2021 Apr;9(4):e002460. doi: 10.1136/jitc-2021-002460.

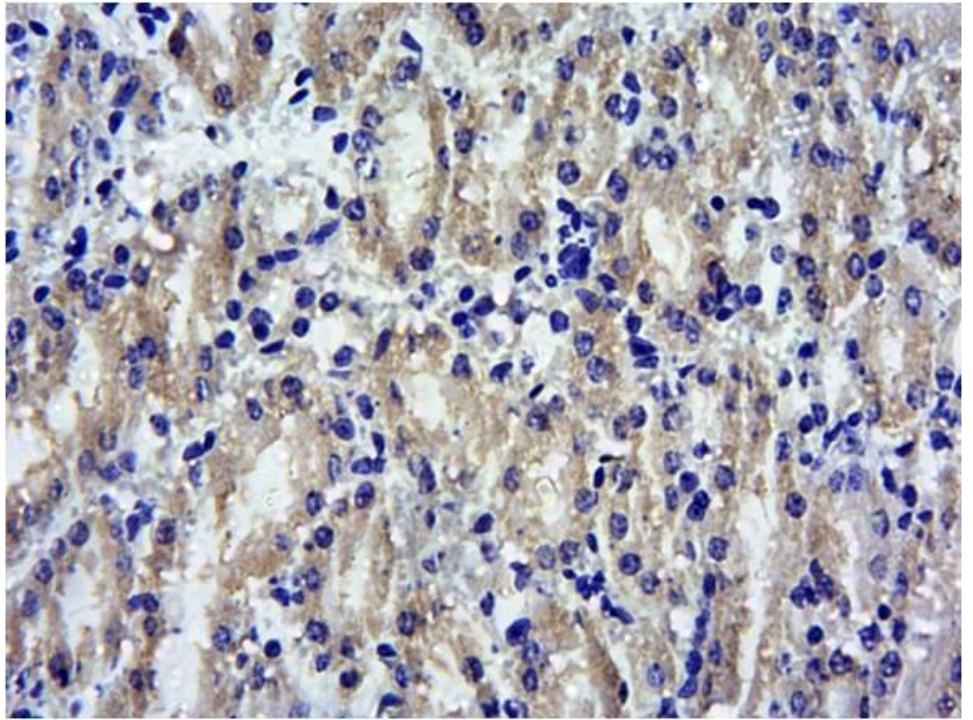
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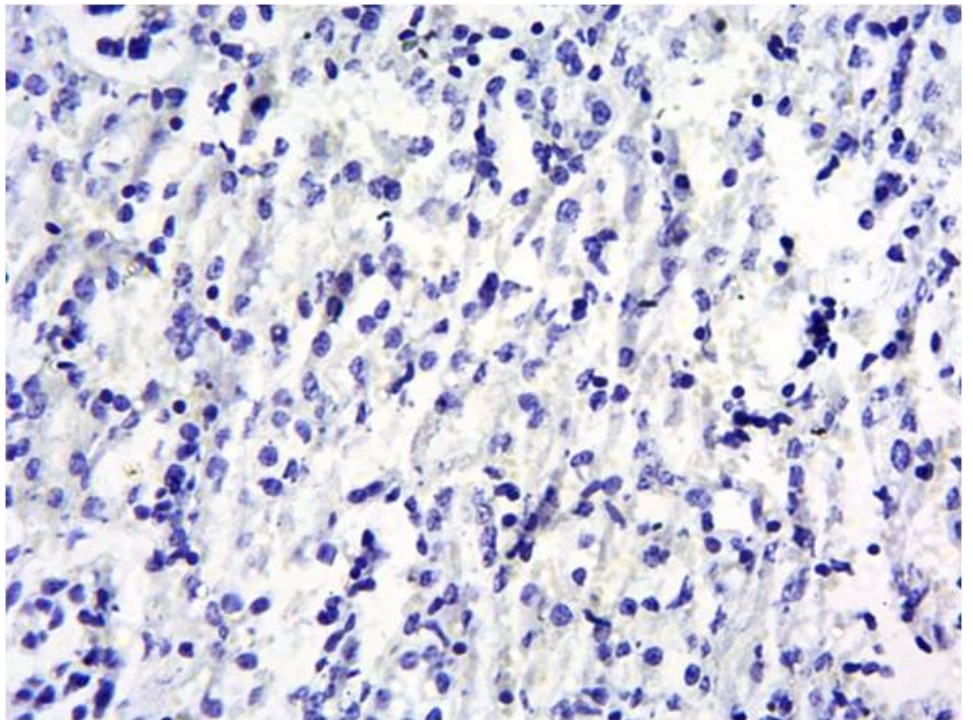
EB05040 (8 μ g/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



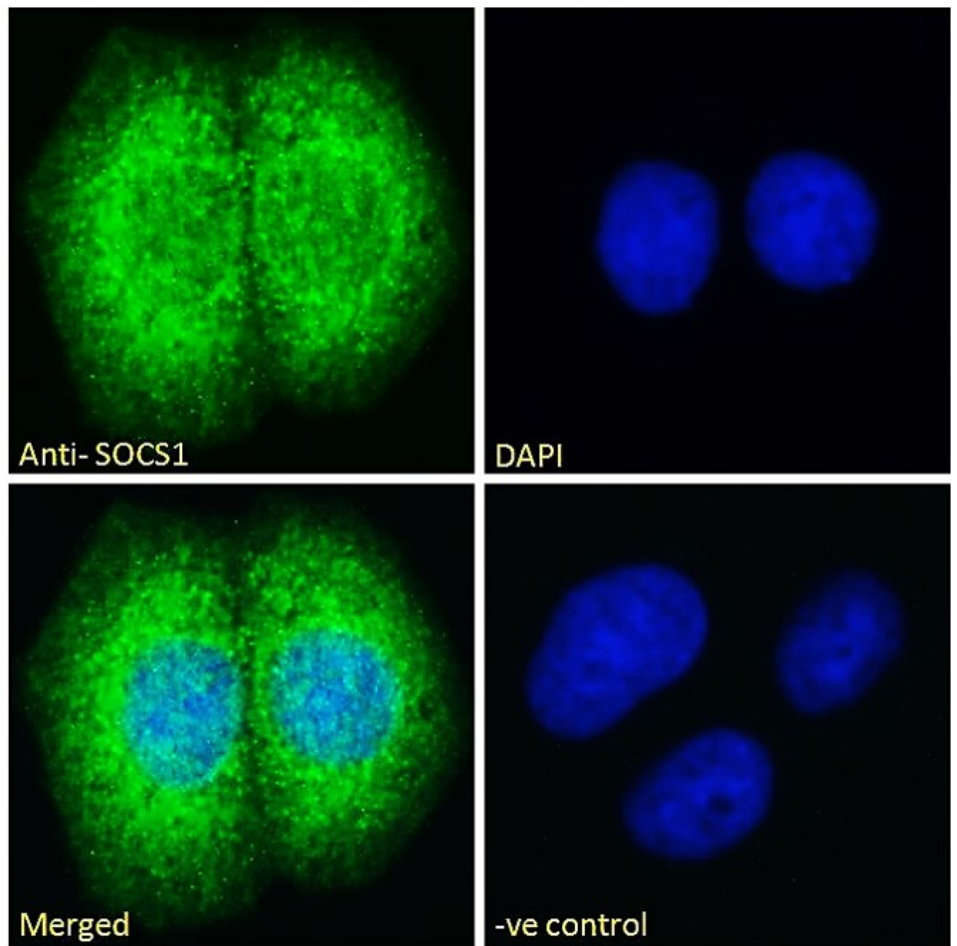
EB05040 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.



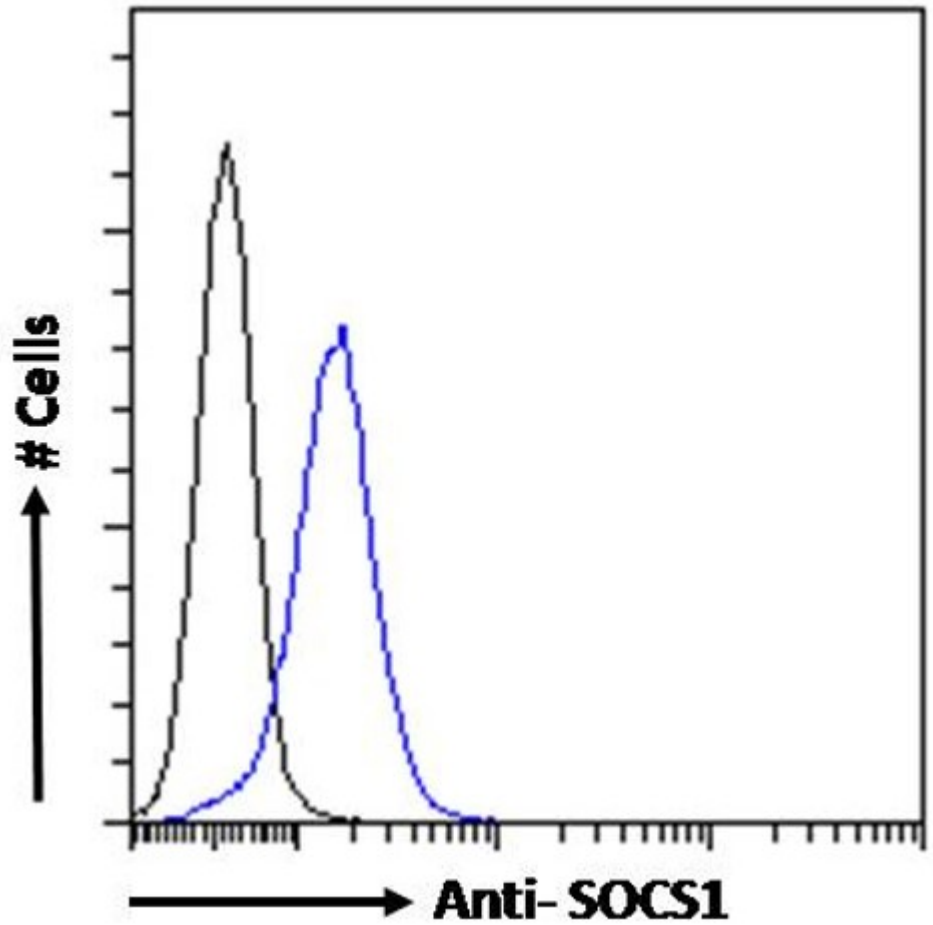
EB05040 (10 μ g/ml): Staining of paraffin embedded Mouse Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-Staining (1:500).



EB05040 Negative Control showing staining of paraffin embedded Mouse Kidney, with no primary antibody.



EB05040 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05040 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.