UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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-VLRDYLSSFPFQI, 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.

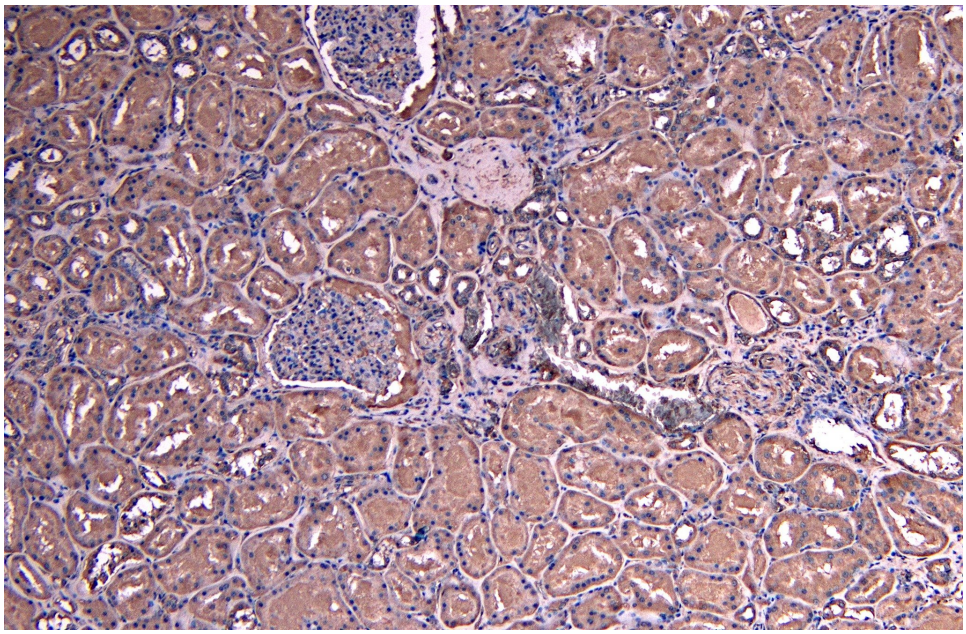
Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

Species Reactivity

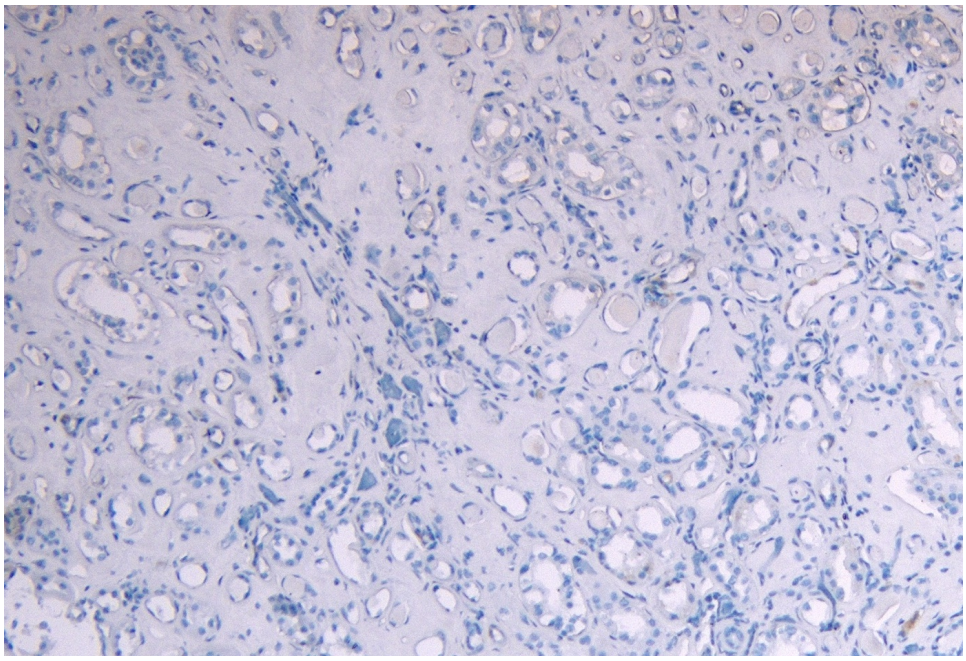
Tested: Human, Mouse
Expected from sequence similarity: Human, Mouse, Dog, Cow, Rat, Pig

Specific Reference

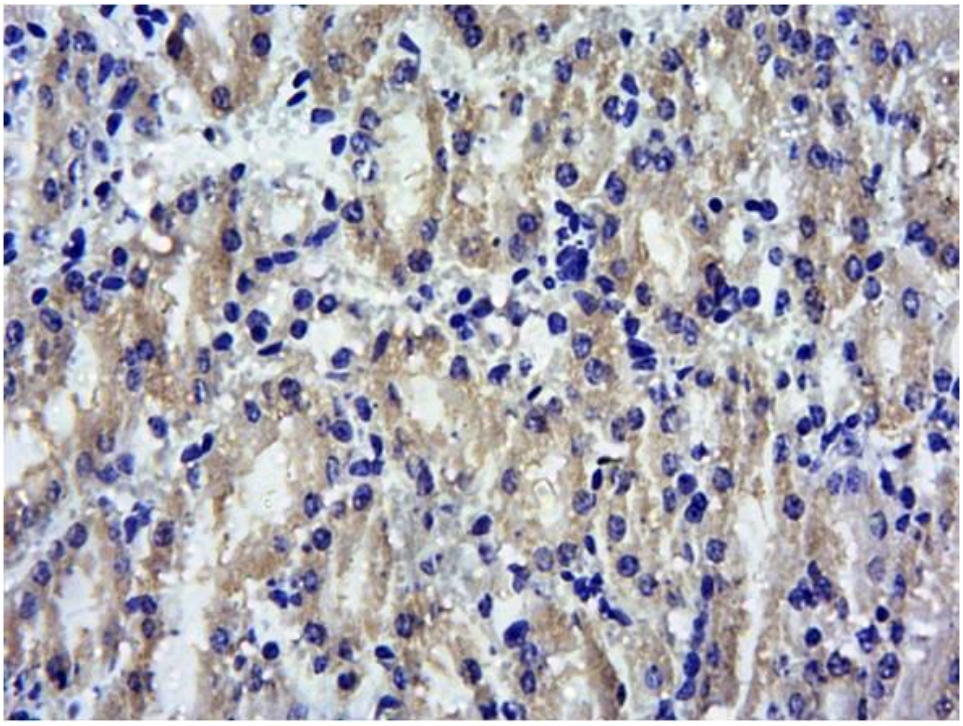
This antibody (previous batch) has been successfully used in FC on Mouse:
Elham Beyranvand Nejad, Camilla Labrie, Marit J van Elsas, Jan Willem Kleinovink, Hans-Willi Mittrücker, Kees L M C Franken, Sylvia Heink, Thomas Korn, Ramon Arens, Thorbald van Hall, Sjoerd H van der Burg
IL-6 signaling in macrophages is required for immunotherapy-driven regression of tumors
J Immunother Cancer. 2021 Apr;9(4):e002460. doi: 10.1136/jitc-2021-002460.
PMID: 33879600



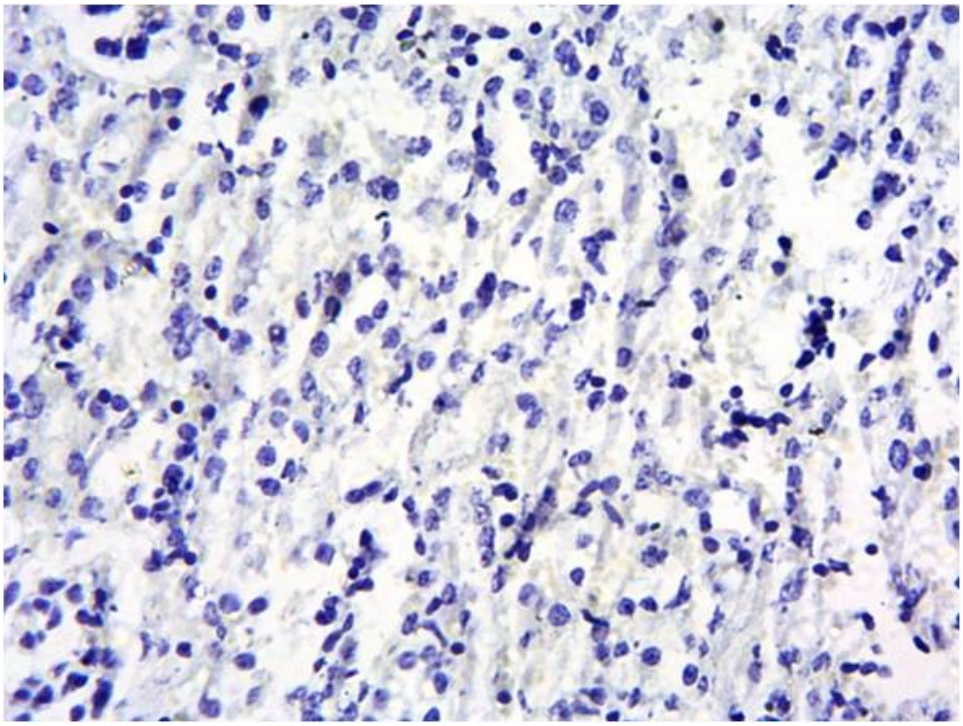
EB05040 (8µg/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



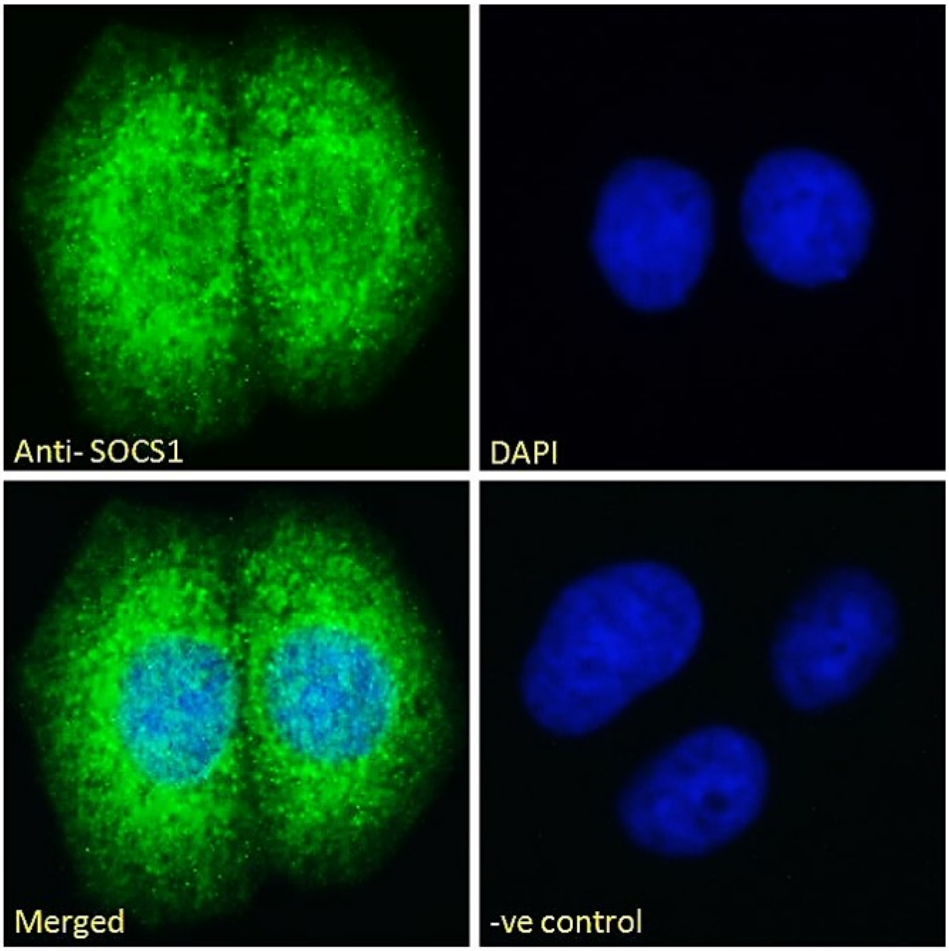
EB05040 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.



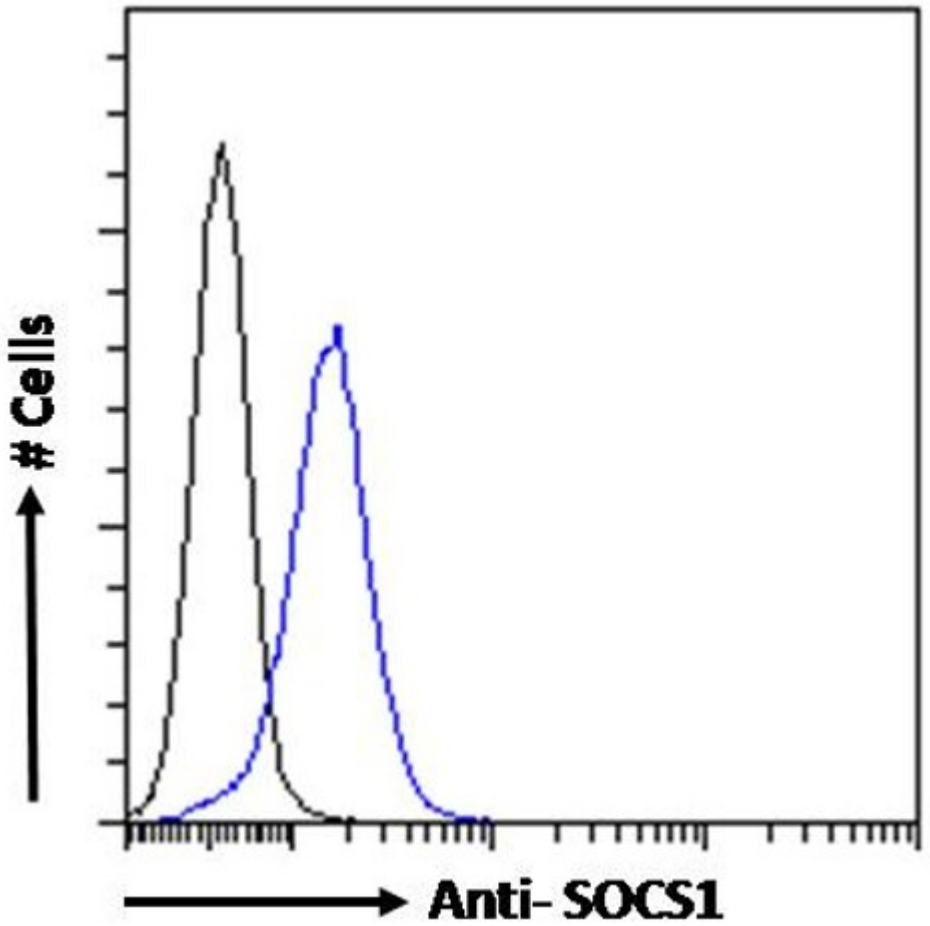
EB05040 (10µg/ml): Staining of paraffin embedded Mouse Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-Staining (1:500).



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.