

# Product Datasheet

## **SOCS-1 Antibody** **NB100-781**

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-781****SOCS-1 Antibody****Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

**Product Description**

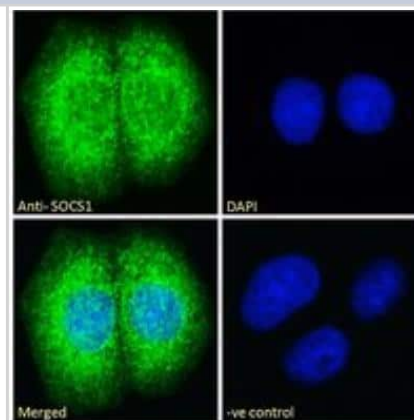
<b>Host</b>	Goat
<b>Gene ID</b>	8651
<b>Gene Symbol</b>	SOCS1
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Peptide with sequence C-VLRDYLSSFPFQI corresponding to C-Terminus according to NP_003736.1.

**Product Application Details**

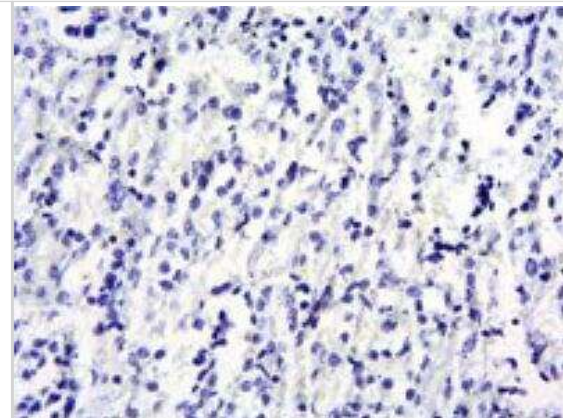
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Flow Cytometry 10 ug/mL, Immunohistochemistry 5 - 10 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 5 - 10 ug/mL, Peptide ELISA Detection limit 1:4000

**Images**

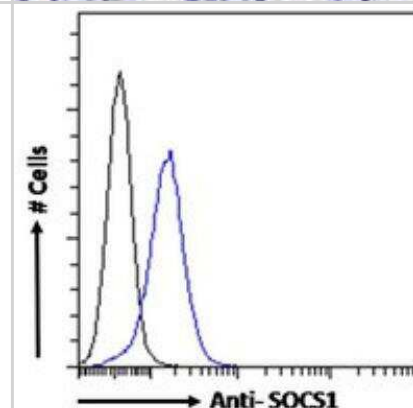
Immunocytochemistry/Immunofluorescence: SOCS-1 Antibody [NB100-781] - Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



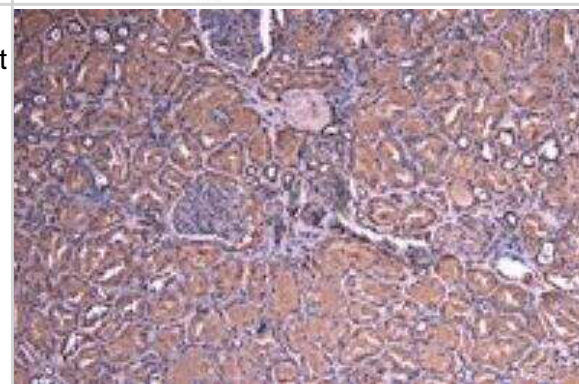
Immunohistochemistry-Paraffin: SOCS-1 Antibody [NB100-781] - Negative Control showing staining of paraffin embedded Mouse Kidney, with no primary antibody.



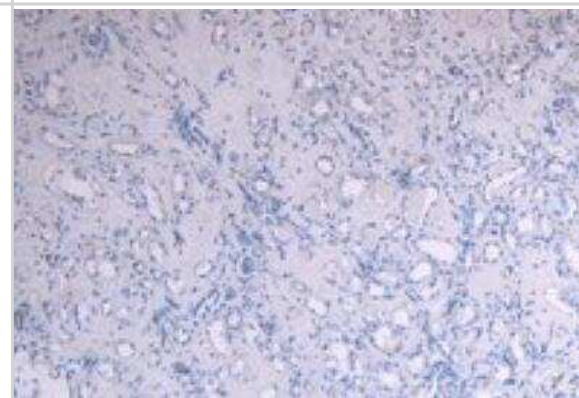
Flow Cytometry: SOCS-1 Antibody [NB100-781] - Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



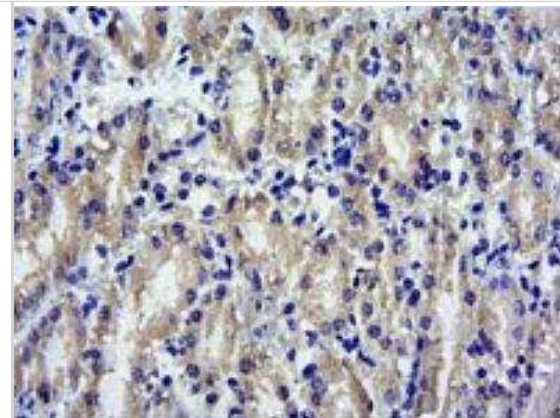
Immunohistochemistry-Paraffin: SOCS-1 Antibody [NB100-781] - Staining of paraffin embedded Human Kidney. Antibody at 8 ug/mL. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry-Paraffin: SOCS-1 Antibody [NB100-781] - Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.



Immunohistochemistry-Paraffin: SOCS-1 Antibody [NB100-781] - Staining of paraffin embedded Mouse Kidney. Antibody at 10 ug/mL. Heat induced antigen retrieval with citrate buffer pH 6, HRP-Staining (1:500).



## Publications

Wilkerson JL, Alberti LB, Kerwin AA et al. Peripheral versus central mechanisms of the cannabinoid type 2 receptor agonist AM1710 in a mouse model of neuropathic pain Brain Behav 2020-09-25 [PMID: 32977358]

Jenny L. Wilkerson, Lauren B. Alberti, Ganesh A. Thakur, Alexandros Makriyannis, Erin D. Milligan Peripherally administered cannabinoid receptor 2 (CB 2 R) agonists lose anti-allodynic effects in TRPV1 knockout mice, while intrathecal administration leads to anti-allodynia and reduced GFAP, CCL2 and TRPV1 expression in the dorsal spinal cord and DRG Brain research 2024-01-03 [PMID: 34774500]

Starr R, Willson TA, Viney EM et al. A family of cytokine-inducible inhibitors of signalling. Nature 1997-06-26 [PMID: 9202125]



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### **Products Related to NB100-781**

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NB820-59670	Mouse Spleen Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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