




Anti-SOCS1 antibody ab9870

★★★★★ [4 Abreviews](#) [31 References](#) [4 图像](#)

概述

产品名称	Anti-SOCS1抗体
描述	山羊多克隆抗体to SOCS1
宿主	Goat
经测试应用	适用于: Flow Cyt (Intra), ICC/IF, ICC, Flow Cyt, IHC-P
种属反应性	与反应: Mouse, Rat, Human, Pig 预测可用于: Cow, Dog 
免疫原	Synthetic peptide corresponding to Human SOCS1 aa 150-250 (C terminal). Database link: NP_003736.1  Run BLAST with  Run BLAST with
阳性对照	Flow Cyt (Intra): HEK293 cells.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab9870于以下的经测试应用

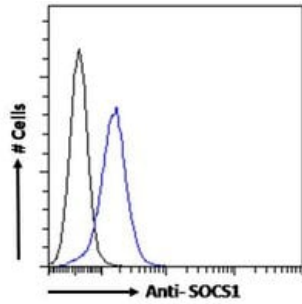
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.
ICC/IF		Use at an assay dependent concentration. PubMed: 21628332
ICC		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. PubMed: 23298838 ab37373 - Goat polyclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		Use a concentration of 2 - 3 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

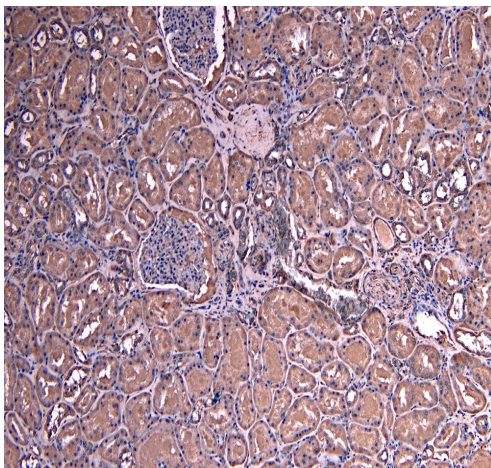
功能	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS1 is involved in negative regulation of cytokines that signal through the JAK/STAT3 pathway. Through binding to JAKs, inhibits their kinase activity. In vitro, also suppresses Tec protein-tyrosine activity. Appears to be a major regulator of signaling by interleukin 6 (IL6) and leukemia inhibitory factor (LIF). Regulates interferon-gamma mediated sensory neuron survival (By similarity). Probable substrate recognition component of an ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize JAK2.
组织特异性	Expressed in all tissues with high expression in spleen, small intestine and peripheral blood leukocytes.
通路	Protein modification; protein ubiquitination.
序列相似性	Contains 1 SH2 domain. Contains 1 SOCS box domain.
结构域	The ESS and SH2 domains are required for JAK phosphotyrosine binding. Further interaction with the KIR domain is necessary for signal and kinase inhibition. The SOCS box domain mediates the interaction with the Elongin BC complex, an adapter module in different E3 ubiquitin ligase complexes. The Elongin BC complex binding domain is also known as BC-box with the consensus [APST]-L-x(3)-C-x(3)-[ALV] and is part of the SOCS box.

图片



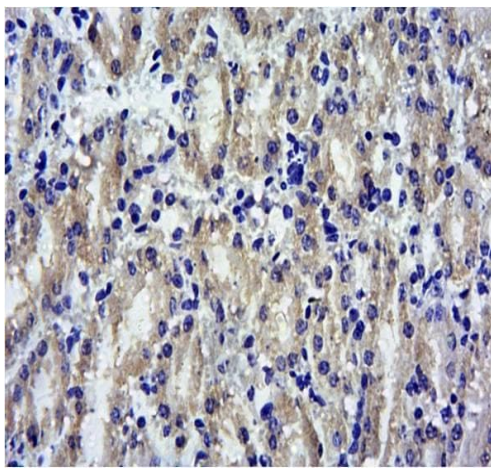
Flow Cytometry (Intracellular) - Anti-SOCS1 antibody (ab9870)

Flow cytometric analysis of HEK293 cells with ab9870 (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.



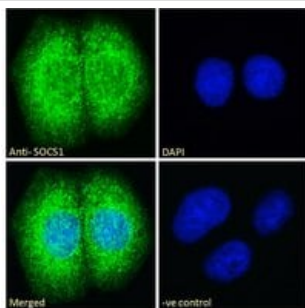
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOCS1 antibody (ab9870)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of paraffin embedded Human Kidney with ab9870 (8 µg/ml). Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOCS1 antibody (ab9870)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of paraffin embedded Mouse Kidney with ab9870 (8 µg/ml). Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunocytochemistry - Anti-SOCS1 antibody
(ab9870)

Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation with ab9870 (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml).

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