




### Anti-SOCS3 antibody ab216570

#### 2 图像

#### 概述

<b>产品名称</b>	Anti-SOCS3抗体
<b>描述</b>	兔多克隆抗体to SOCS3
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> IHC-P
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat <b>预测可用于:</b> Human 
<b>免疫原</b>	Synthetic peptide within Human SOCS3 aa 150 to the C-terminus conjugated to keyhole limpet haemocyanin. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements. Database link: <a href="#">O14543</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>阳性对照</b>	Rat brain and mouse embryo tissues.
<b>常规说明</b>	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.  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

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>存储溶液</b>	pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X
<b>纯度</b>	Protein A purified

克隆 多克隆  
同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab216570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
IHC-P		1/100 - 1/500.

## 靶标

**功能** SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS3 is involved in negative regulation of cytokines that signal through the JAK/STAT pathway. Inhibits cytokine signal transduction by binding to tyrosine kinase receptors including gp130, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors. Binding to JAK2 inhibits its kinase activity. Suppresses fetal liver erythropoiesis. Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells. Regulates IL-6 signaling in vivo (By similarity). Probable substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize IL6ST.

**组织特异性** Widely expressed with high expression in heart, placenta, skeletal muscle, peripheral blood leukocytes, fetal and adult lung, and fetal liver and kidney. Lower levels in thymus.

**通路** Protein modification; protein ubiquitination.

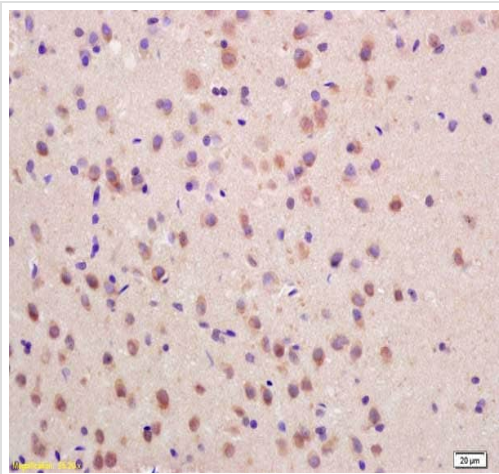
**疾病相关** Note=There is some evidence that SOCS3 may be a susceptibility gene for atopic dermatitis linked to 17q25. SOCS3 messenger RNA is significantly more highly expressed in skin from patients with atopic dermatitis than in skin from healthy controls. Furthermore, a genetic association between atopic dermatitis and a haplotype in the SOCS3 gene has been found in two independent groups of patients.

**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.

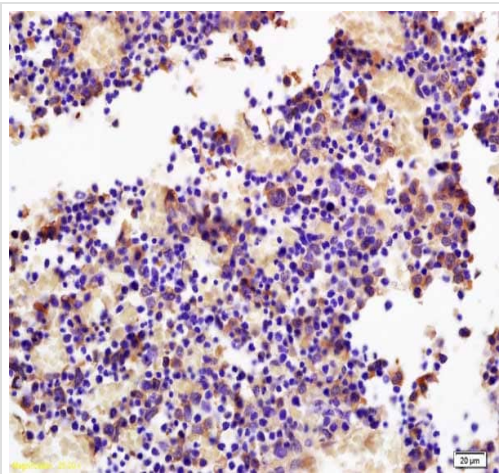
**翻译后修饰** Phosphorylated on tyrosine residues after stimulation by the cytokines, IL-2, EPO or IGF1.

## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOCS3 antibody (ab216570)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded rat brain tissue labeling SOCS3 with ab216570 at 1/200 dilution, followed by secondary antibody detection and DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOCS3 antibody (ab216570)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded mouse embryo tissue labeling SOCS3 with ab216570 at 1/200 dilution, followed by secondary antibody detection and DAB staining.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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