

## Product datasheet

# Anti-SOCS3 antibody ab723

★★★★★ 1 Abreviews 1 References 1 图像

### 概述

<b>产品名称</b>	Anti-SOCS3抗体
<b>描述</b>	山羊多克隆抗体to SOCS3
<b>宿主</b>	Goat
<b>经测试应用</b>	<b>适用于:</b> WB
<b>种属反应性</b>	<b>与反应:</b> Human <b>预测可用于:</b> Mouse, Rat
<b>免疫原</b>	Synthetic peptide: PIREFLDQYDAPL, corresponding to C terminal amino acids 213-225 of Human SOCS3 . <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>阳性对照</b>	MOLT-4 lysate
<b>常规说明</b>	Principal Names - SOCS3; CIS3; Cish3; SSI-3; SOCS-3; suppressor of cytokine signaling 3; STAT induced STAT inhibitor 3; cytokine-induced SH2 protein 3 Official Gene Symbol - SOCS3 GenBank Accession Number – NP_003946 LocusLink ID - 9021 (human); 12702 (mouse); 89829 (rat) Gene Ontology terms - protein kinase inhibitor; JAK-STAT cascade; anti-apoptosis Size - 225 aa

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>存储溶液</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.05% Tris, 0.5% BSA
<b>纯度</b>	Immunogen affinity purified
<b>纯化说明</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

## 应用

Our [Abpromise guarantee](#) covers the use of **ab723** in the following tested applications.

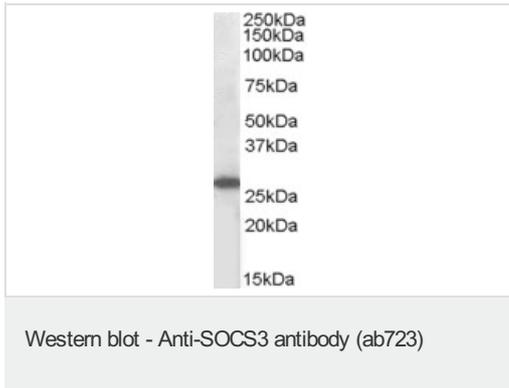
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB	★★★★★	Use a concentration of 1 - 3 µg/ml. Approx 24kDa band seen in MOLT-4 lysate. Recommended for use at 4.0-6.0µg/ml. Block membrane in 2.5% skimmed milk in TBST (TBS + 0.05% Tween). Incubate primary antibody for 1 hour at room temperature with agitation.

## 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



Anti-SOCS3 antibody (ab723) at 1 µg/ml + MOLT-4 lysate at 35 µg

**Observed band size:** 24 kDa

[why is the actual band size different from the predicted?](#)

Detected by western blot using chemiluminescence.

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

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