

Anti-SOCS3 antibody ab723

★★★★★ [1 Abreviews](#) [1 References](#) [1 图像](#)

概述

产品名称	Anti-SOCS3抗体
描述	山羊多克隆抗体to SOCS3
宿主	Goat
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide: PIREFLDQYDAPL, corresponding to C terminal amino acids 213-225 of Human SOCS3 . Run BLAST with Expasy Run BLAST with NCBI
阳性对照	MOLT-4 lysate
常规说明	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 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

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: 0.05% 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ab723于以下的经测试应用

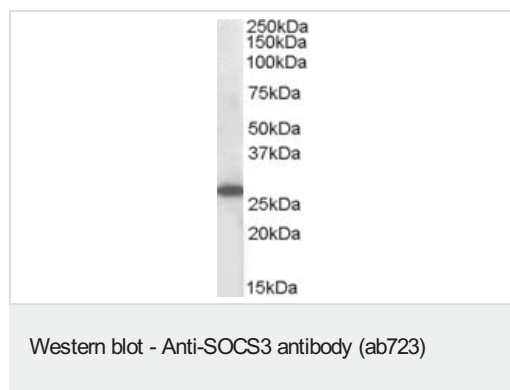
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	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

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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