


Anti-SOCS3 antibody ab16030

★★★★★ [31 Abreviews](#) [124 References](#) [画像数 3](#)

製品の概要

製品名	Anti-SOCS3 antibody
製品の詳細	Rabbit polyclonal to SOCS3
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Chicken, Cow, Dog 
免疫原	Synthetic peptide corresponding to Human SOCS3 aa 200 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab16199)
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル

アプリケーション

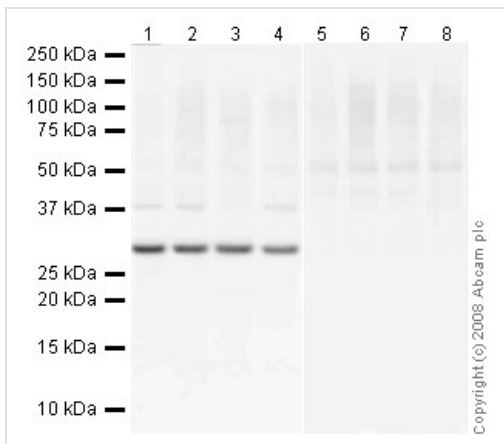
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab16030の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★☆ (9)	Use at an assay dependent concentration. Predicted molecular weight: 24 kDa.
ICC/IF	★★★★☆ (2)	Use a concentration of 1 µg/ml.

ターゲット情報

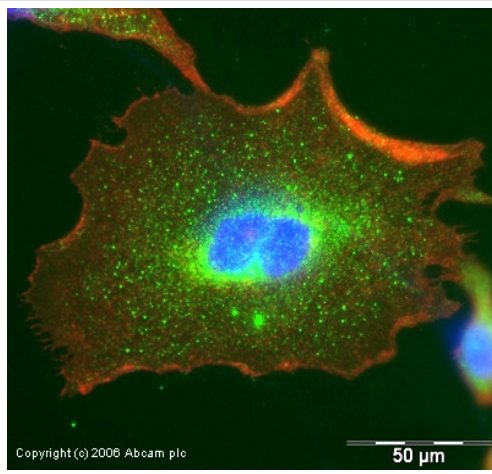
機能	SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS3 is involved in negative regulation of cytokines that signal through the JAK/STAT pathway. Inhibits cytokine signal transduction by binding to tyrosine kinase receptors including 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.
組織特異性	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.
パスウェイ	Protein modification; protein ubiquitination.
関連疾患	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.
配列類似性	Contains 1 SH2 domain. Contains 1 SOCS box domain.
ドメイン	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.
翻訳後修飾	Phosphorylated on tyrosine residues after stimulation by the cytokines, IL-2, EPO or IGF1.

画像



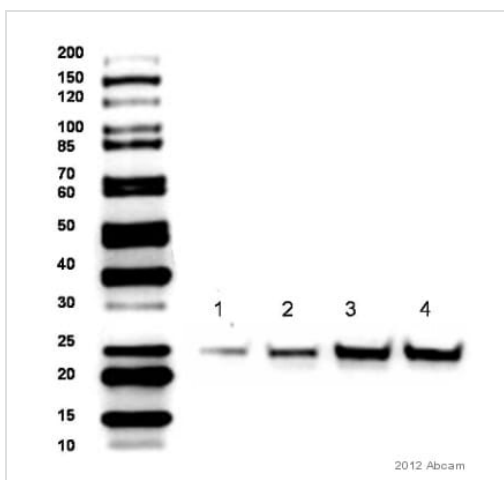
Western blot - Anti-SOCS3 antibody (ab16030)

The 30kDa band observed is comparable to the molecular weight seen with other commercially available antibodies to SOCS3.



Immunocytochemistry/ Immunofluorescence - Anti-SOCS3 antibody (ab16030)

ICC/IF image of ab16030 stained human HeLa cells. The cells were PFA fixed (10 min) and incubated with the antibody (ab16030, 1 μg/ml) for 1h at room temperature. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Image-iT™ FX Signal Enhancer was used as the primary blocking agent, 5% BSA (TBS-T) was used for all other blocking steps. DAPI was used to stain the cell nuclei (blue). Alexa Fluor® 594 WGA was used to label plasma membranes (red).



Western blot - Anti-SOCS3 antibody (ab16030)

This image is courtesy of an anonymous Abreview

All lanes : Anti-SOCS3 antibody (ab16030) at 1 μg/ml

Lane 1 : Untreated Human peripheral blood mononuclear cell lysate

Lane 2 : Human peripheral blood mononuclear cell lysate (treated with aCD3/28)

Lane 3 : Human peripheral blood mononuclear cell lysate (treated with IFNγ)

Lane 4 : SOCS3 protein

Lysates/proteins at 15 μg per lane.

Secondary

All lanes : HRP-conjugated goat anti-rabbit polyclonal IgG at 1/2000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 24 kDa

Observed band size: 25 kDa

Exposure time: 15 minutes

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