

Product datasheet

Anti-SOCS1 antibody ab37167

3 References [画像数 1](#)

製品の概要

製品名	Anti-SOCS1 antibody
製品の詳細	Rabbit polyclonal to SOCS1
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide, corresponding to a 17 amino acid sequence near the N terminal of human SOCS1.
ポジティブ・コントロール	Human spleen cell lysate.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	Preservative: 0.02% Sodium Azide Constituents: PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab37167** in the following tested applications.

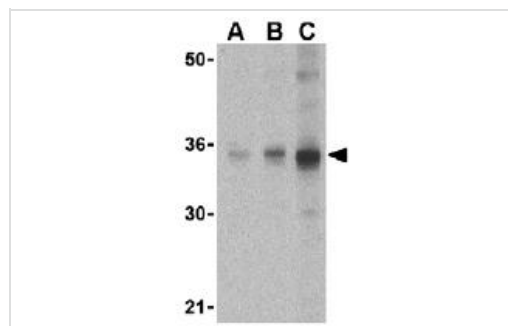
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 24 kDa).

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. 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.
組織特異性	Expressed in all tissues with high expression in spleen, small intestine and peripheral blood leukocytes.
パスウェイ	Protein modification; protein ubiquitination.
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. The Elongin BC complex binding domain is also known as BC-box with the consensus [APST]-L-x(3)-C-x(3)-[AILV] and is part of the SOCS box.

画像



Western blot - SOCS1 antibody (ab37167)

Lane 1 : Anti-SOCS1 antibody (ab37167) at 1 µg/ml

Lane 2 : Anti-SOCS1 antibody (ab37167) at 2 µg/ml

Lane 3 : Anti-SOCS1 antibody (ab37167) at 4 µg/ml

All lanes : Human spleen cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : goat anti-rabbit HRP at 1/10000 dilution

Predicted band size: 24 kDa

Observed band size: 35 kDa

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