abcam

Product datasheet

Anti-SOCS4 antibody ab3694

2 References

製品の概要

製品名	Anti-SOCS4 antibody
製品の詳細	Rabbit polyclonal to SOCS4
由来種	Rabbit
特異性	This antibodyreacts predominantly with SOCS 4. The antibodies wereevaluated for specificity with a dot blot assay using synthetically prepared SOCS peptides. It onlyrecognizes SOCS 4, not other SOCS.
アプリケーション	**適用あり:** IHC-P, WB, IP, ELISA
種交差性	**交差種:** Mouse, Human
免疫原	Synthetic peptide corresponding to C-terminus of human/ mouse SOCS 4.
特記事項	Accumulating evidence demonstrates that cytokine receptorsignaling is negatively regulated by a family of Srchomology 2 domain-containing adaptor molecules Termed SOCS (Suppressor of Cytokine Signaling). To date, there are eight members of SOCS family have beenrecognized, they are SOCS 1, 2, 3, 4, 5, 6, 7 and CIS. Structurally the SOCS proteins are composed of an Nterminalregion of variable length and amino acidcomposition, a central SH2 domain, and a previously unrecognized C-terminal motif that we have called the SOCS box. The SOCS proteins appear to form part of aclassical negative feed back loop that regulates cytokinesignal transduction via a STAT-induced transcriptionalmechanism. Transcription of each of the SOCS genesoccurs rapidly in vitro and in vivo in response to cytokines, and once produced, the various members of the SOCS family appear to inhibit signaling in different ways. Within the SOCS subfamily, SOCS 4, SOCS 5, SOCS 6 and SOCS 7 remain poorly understood. On the basis ofstructural considerations, it would be expected if SOCS 4 and SOCS 7, like SOCS 1, SOCS 2, SOCS 3 and CIS, acted tonegatively regulated signal transduction, but not surewhich specific cytokine is involved.

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	Preservative: 0.02% Sodium azide
精製度	Immunogen affinity purified

一次抗体 備考	Accumulating evidence demonstrates that cytokine receptorsignaling is negatively regulated by a family of Srchomology 2 domain-containing adaptor molecules Termed SOCS (Suppressor of Cytokine Signaling). To date, there are eight members of SOCS family have beenrecognized, they are SOCS 1, 2, 3, 4, 5, 6, 7 and CIS. Structurally the SOCS proteins are composed of an Nterminalregion of variable length and amino acidcomposition, a central SH2 domain, and a previously unrecognized C-terminal motif that we have called the SOCS box. The SOCS proteins appear to form part of aclassical negative feed back loop that regulates cytokinesignal transduction via a STAT-induced transcriptionalmechanism. Transcription of each of the SOCS genesoccurs rapidly in vitro and in vivo in response to cytokines, and once produced, the various members of the SOCS family appear to inhibit signaling in different ways. Within the SOCS subfamily, SOCS 4, SOCS 5, SOCS 6 and SOCS 7 remain poorly understood. On the basis ofstructural considerations, it would be expected if SOCS 4 and SOCS 7, like SOCS 1, SOCS 2, SOCS 3 and CIS, acted tonegatively regulated signal transduction, but not surewhich specific cytokine is involved.
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

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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
IHC-P		Use at an assay dependent concentration.
WB		Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).
IP		Use at an assay dependent concentration. use at a concentration of 3.0 - 5.0 µg / extract from 10^7 cells.
ELISA		Use a concentration of 0.1 - 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. May be a 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.
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 SOCS box domain mediates the interaction with the Elongin BC complex, an adapter module in different E3 ubiquitin ligase complexes.

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