

Anti-SOCS4 Picoband Antibody
Catalog # ABO12194**Specification**

Anti-SOCS4 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q8WXH5
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Suppressor of cytokine signaling 4(SOCS4) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-SOCS4 Picoband Antibody - Additional Information

Gene ID 122809

Other Names

Suppressor of cytokine signaling 4, SOCS-4, Suppressor of cytokine signaling 7, SOCS-7, SOCS4, SOCS7

Calculated MW

50623 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Protein Name

Suppressor of cytokine signaling 4

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

E.coli-derived human SOCS4 recombinant protein (Position: M291-C440). Human SOCS4 shares 98% amino acid (aa) sequence identity with mouse SOCS4.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20 °C for one year. After r°Constitution,

at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities
Contains 1 SH2 domain.

Anti-SOCS4 Picoband Antibody - Protein Information

Name SOCS4

Synonyms SOCS7

Function

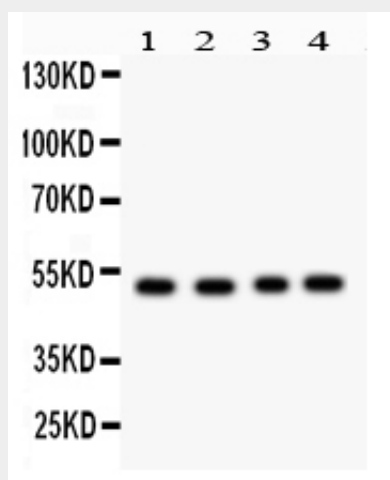
SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. Substrate- recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Inhibits EGF signaling by mediating the degradation of the Tyr-phosphorylated EGF receptor/EGFR.

Anti-SOCS4 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SOCS4 Picoband Antibody - Images



Anti-SOCS4 Picoband antibody, ABO12194, Western blotting All lanes: Anti SOCS4 (ABO12194) at 0.5ug/ml
Lane 1: MCF-7 Whole Cell Lysate at 40ug
Lane 2: SW620 Whole Cell Lysate at 40ug
Lane 3: MCF-7 Whole Cell Lysate at 40ug
Lane 4: SW620 Whole Cell Lysate at 40ug

3: HELA Whole Cell Lysate at 40ug Lane 4: SKOV Whole Cell Lysate at 40ug Predicted bind size: 51KD
Observed bind size: 51KD

Anti-SOCS4 Picoband Antibody - Background

SOCS4, also known as Suppressor of cytokine signaling 4, is mapped to 14q22.1. The protein encoded by this gene contains a SH2 domain and a SOCS BOX domain. The protein thus belongs to the suppressor of cytokine signaling (SOCS), also known as STAT-induced STAT inhibitor (SSI), protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine signaling. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.