

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

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**Anti-SOCS4 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q8WXH5</a>
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<br>

**Protein Name**

Suppressor of cytokine signaling 4

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**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

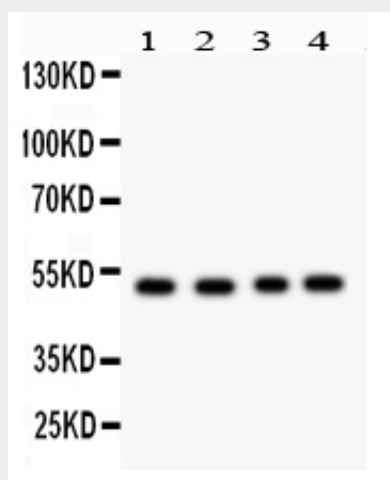
SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. Substrate- recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal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