

Datasheet for ABIN6987920

## **anti-SOCS3 antibody (AA 161-225) (HRP)**



[Go to Product page](#)

### Overview

|                      |                                          |
|----------------------|------------------------------------------|
| Quantity:            | 100 µL                                   |
| Target:              | SOCS3                                    |
| Binding Specificity: | AA 161-225                               |
| Reactivity:          | Mouse, Rat                               |
| Host:                | Rabbit                                   |
| Clonality:           | Polyclonal                               |
| Conjugate:           | This SOCS3 antibody is conjugated to HRP |
| Application:         | Western Blotting (WB)                    |

### Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human SOCS3 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Mouse, Rat                                                |
| Predicted Reactivity: | Human,Dog,Cow,Sheep,Pig,Horse,Rabbit                      |
| Purification:         | Purified by Protein A.                                    |

### Target Details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Target:           | SOCS3                                                                                     |
| Alternative Name: | SOCS3 ( <a href="#">SOCS3 Products</a> )                                                  |
| Background:       | Synonyms: suppressor of cytokine signaling 3, ATOD4, CIS 3, CIS3, Cish3, Cytokine induced |

## Target Details

SH2 protein 3, E2a Pbx1 target gene in fibroblasts 10, EF 10, MGC71791, SOCS 3, SOCS-3, SSI 3, SSI3, STAT induced STAT inhibitor 3, Suppressor of cytokine signaling 3, SOCS3\_HUMAN.

Background: 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 (By similarity).

Gene ID: 9021

UniProt: [O14543](#)

Pathways: [JAK-STAT Signaling](#), [Response to Growth Hormone Stimulus](#), [Hepatitis C](#)

## Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months