

Datasheet for ABIN1504156  
**anti-SOCS3 antibody (AA 2-44)**



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2 Images

## Overview

Quantity:	0.1 mg
Target:	SOCS3
Binding Specificity:	AA 2-44
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## Product Details

Clone:	1B2
Isotype:	IgG1
Specificity:	This antibody reacts with mouse SOCS-3.
Purification:	Protein A agarose

## Target Details

Target:	SOCS3
Alternative Name:	SOCS3 / CIS3 ( <a href="#">SOCS3 Products</a> )
Background:	The Suppressor of Cytokine Signaling (SOCS) family of proteins acts in a classic negative feedback loop to regulate cytokine signal transduction. Socs genes are induced by cytokines to express SOCS proteins, which then inhibit cytokine-induced signaling. SOCS-3, also known as CIS3 or SSI3, inhibits cytokine signaling by multiple cytokines and hormones, including Epo,

Target Details

prolactin, growth hormone (GH), IL-2, IL-3, IL-6, IL-11, leptin, ciliary neurotrophic factor, MCSF, and LIF. The SH2 domain of SOCS-3 also interacts with the cytoplasmic domains of phosphorylated GH receptor, leptin receptor, IGF-I receptor, and the gp130 common receptor subunit. SOCS-3 directly inhibits JAK2 catalytic activity, and silencing of SOCS-3 by methylation may be an important mechanism of constitutive activation of the JAK/STAT pathway in cancer pathogenesis. Synonyms: CIS-3, Cytokine-inducible SH2 protein 3, SOCS-3, SSI-3, SSI3, STAT-induced STAT inhibitor 3, Suppressor of cytokine signaling 3

Gene ID: 9021

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

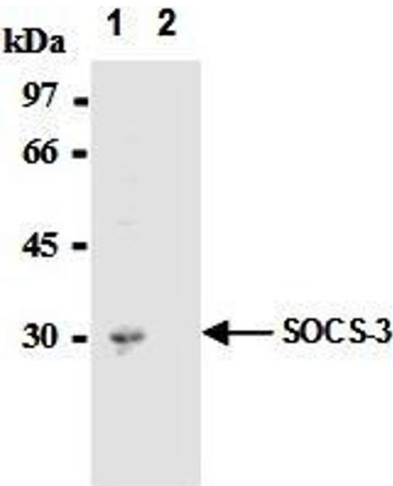
Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 50 % glycerol, pH 7.2. Contains no preservatives.

Preservative: Without preservative

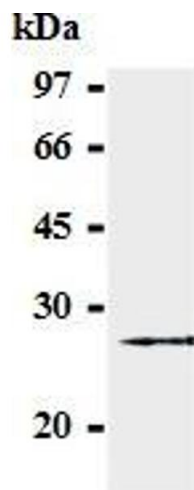
Images



Immunoprecipitation

Image 1.

Immunoprecipitation of SOCS-3 from mouse hepatocytes with AM26562AF-N or mouse IgG1. After immunoprecipitated with the antibody, immunocomplex was resolved on SDS-PAGE and immunoblotted with biotinylated anti-SOCS-3 monoclonal antibody.



Western Blotting

Image 2.

Western blot analysis of GST-SOCS-3 (2-44 a.a.)  
using AM26562AF-N.