

For Research Use Only

# SOCS3 Polyclonal antibody

Catalog Number: 14025-1-AP

Featured Product

59 Publications



## Basic Information

**Catalog Number:**

14025-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5170

**GenBank Accession Number:**

BC060858

**GeneID (NCBI):**

9021

**UNIPROT ID:**

O14543

**Full Name:**

suppressor of cytokine signaling 3

**Calculated MW:**

25 kDa

**Observed MW:**

25-30 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IP, IF, IHC, CoIP

**Species Specificity:**

human

**Cited Species:**

human, chicken, rat, mouse, pig

**Positive Controls:**

WB : HeLa cells,

IP : K-562 cells,

## Background Information

The suppressor of cytokine signaling (SOCS) family proteins are negative feedback system that inhibits cytokine signal transduction. One of the SOCS family, SOCS3, also named CIS3 and SSI3, is involved in inhibition of JAK/STAT pathway which regulates IL-6 signaling in vivo. SOCS3 can be rapidly trigger by a number of factors including interleukins, IFN-gamma and TNF-alpha. Pathology such as inflammatory response, wound repair and obesity and so on have been linked to SOCS3. Observed MW of SOCS3 is from 22-30 kDa (PMID: 24827536, PMID: 26260587, PMID: 26797799), consistent with the result of Catalog# 14025-1-AP.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kai Yang	34586888	Int J Immunopathol Pharmacol	IHC
Pilar Argente-Arizón	29077836	Endocrinology	WB
Orawan Wonganan	29031523	Toxicol Appl Pharmacol	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

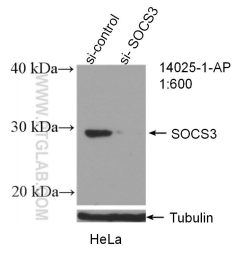
T: 4006900926

E: Proteintech-CN@ptglab.com

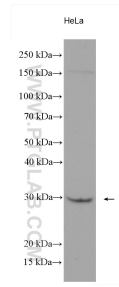
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

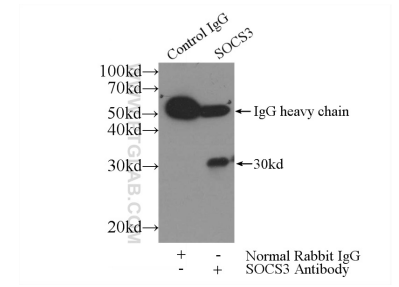
## Selected Validation Data



WB result of SOCS3 antibody (14025-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-SOCS3 transfected HeLa cells.



HeLa cells were subjected to SDS PAGE followed by western blot with 14025-1-AP (SOCS3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-SOCS3 (IP:14025-1-AP, 4ug; Detection:14025-1-AP 1:500) with K-562 cells lysate 1720ug.