

## SOCS3 Polyclonal Antibody

Catalog number: 14025-1-AP

Size: 34 µg/150 µl

Source: Rabbit

Isotype: IgG

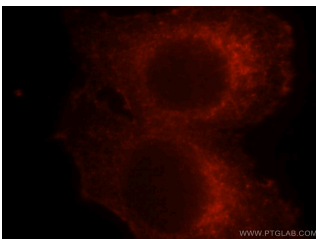
Synonyms:

SOCS3; ATOD4, CIS 3, CIS3,

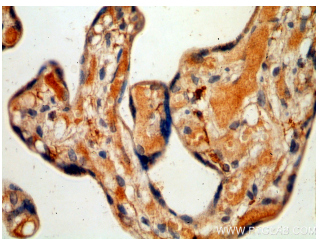
Cish3, SOCS 3, SOCS3, SSI 3,

SSI3, STAT induced STAT

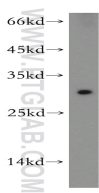
inhibitor 3



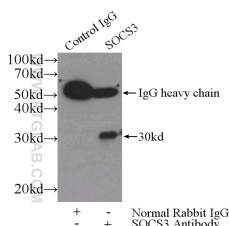
Immunofluorescent analysis of Hela cells, using SOCS3 antibody 14025-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human placenta using 14025-1-AP(SOCS3 antibody) at dilution of 1:50 (under 40x lens)



K-562 cells were subjected to SDS PAGE followed by western blot with 14025-1-AP(SOCS3 antibody) at dilution of 1:500



IP Result of anti-SOCS3

### Background

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.

### Applications

<b>Tested applications:</b>	ELISA, IHC, WB, IF, IP
<b>Cited applications:</b>	IF, IHC, IP, WB
<b>Species specificity:</b>	Human, Mouse, Rat; other species not tested.
<b>Cited species:</b>	Human, mouse
<b>Calculated SOCS3 MW:</b>	25 kDaa
<b>Observed SOCS3 MW:</b>	30 kDa
<b>Positive WB detected in</b>	K-562 cells, A375 cells
<b>Positive IP detected in</b>	K-562 cells
<b>Positive IHC detected in</b>	Human placenta tissue, human heart tissue
<b>Positive IF detected in</b>	Hela cells, HepG2 cells
<b>Recommended dilution:</b>	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

<b>Immunogen:</b>	Ag5170
<b>GenBank accession number:</b>	BC060858
<b>Gene ID (NCBI):</b>	9021
<b>Full name:</b>	Suppressor of cytokine signaling 3

### Product information

<b>Purification method:</b>	Antigen affinity purification
<b>Storage:</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

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