# antibodies .- online.com





# anti-SOCS2 antibody



**Images** 



Go to Product page

$\sim$					
	1//	$\triangle$	٦/	10	۱۸

Quantity:	100 μL	
Target:	SOCS2	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Monoclonal	
Conjugate:	This SOCS2 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)	

### **Product Details**

Purpose:	SOCS2 Rabbit mAb	
Immunogen:	A synthesized peptide derived from human SOCS2	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Characteristics:	Monoclonal Antibodies	
Purification:	Affinity purification	

# Target Details

Target:	SOCS2
Alternative Name:	SOCS2 (SOCS2 Products)
Background:	This gene encodes a member of the suppressor of cytokine signaling (SOCS) family. SOCS

family members are cytokine-inducible negative regulators of cytokine receptor signaling via the Janus kinase/signal transducer and activation of transcription pathway (the JAK/STAT pathway). SOCS family proteins interact with major molecules of signaling complexes to block further signal transduction, in part, by proteasomal depletion of receptors or signal-transducing proteins via ubiquitination. The expression of this gene can be induced by a subset of cytokines, including erythropoietin, GM-CSF, IL10, interferon (IFN)-gamma and by cytokine receptors such as growth horomone receptor. The protein encoded by this gene interacts with the cytoplasmic domain of insulin-like growth factor-1 receptor (IGF1R) and is thought to be involved in the regulation of IGF1R mediated cell signaling. This gene has pseudogenes on chromosomes 20 and 22. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012],CIS2, Cish2, SOCS-2, SSI-2, SSI2, STATI2,Apoptosis,Cell Biology & Developmental Biology,Cell Intrinsic Innate Immunity Signaling Pathway,Cytokines,IL-6 Receptor Signaling Pathway,Immunology & Inflammation,Neuroscience,Signal Transduction,SOCS2

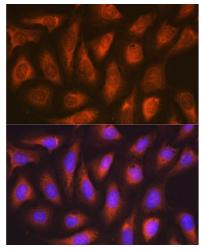
Molecular Weight:	22kDa
Gene ID:	8835
UniProt:	014508
Pathways:	JAK-STAT Signaling, Response to Growth Hormone Stimulus

#### **Application Details**

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200	
Restrictions:	For Research Use only	

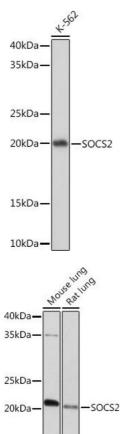
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### **Immunofluorescence**

**Image 1.** Immunofluorescence analysis of U-2 OS cells using SOCS2 Rabbit mAb (ABIN7270641) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



15kDa-

10kDa-

#### **Western Blotting**

Image 2. Western blot analysis of extracts of K-562 cells, using SOCS2 Rabbit mAb (ABIN7270641) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

#### **Western Blotting**

Image 3. Western blot analysis of extracts of various cell lines, using SOCS2 Rabbit mAb (ABIN7270641) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.

Please check the product details page for more images. Overall 5 images are available for ABIN7270641.