

Datasheet for ABIN3021100
anti-SOCS3 antibody (C-Term)

7 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SOCS3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOCS3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100 to the C-terminus of human SOCS3 (NP_003946.3).
Sequence:	GSFSLQSDPR STQPVPFRDC VLKLVHHYMP PPGAPSFSP PTEPSSEVPE QPSAQPLPGS PPRRAYIYS GGEKIPLVLS RPLSSNVATL QHLCKRTVNG HLDSYEKVTQ LPGPIREFLD QYDAPL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SOCS3
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Target Details

Alternative Name:	SOCS3 (SOCS3 Products)
Background:	<p>This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. The protein encoded by this gene can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse counterpart of this gene suggested the roles of this gene in the negative regulation of fetal liver hematopoiesis, and placental development.,SOCS3,ATOD4,CIS3,Cish3,SOCS-3,SSI-3,SSI3,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Ubiquitin,Ubiquitin-Proteasome Signaling Pathway,Endocrine & Metabolism,Insulin Receptor Signaling Pathway,Endocrine and metabolic diseases,Obesity,Immunology & Inflammation,Cytokines,IL-6 Receptor Signaling Pathway,Cell Intrinsic Innate Immunity Signaling Pathway,Stem Cells,Hematopoietic Progenitors,SOCS3</p>
Molecular Weight:	24 kDa
Gene ID:	9021
UniProt:	O14543
Pathways:	JAK-STAT Signaling , Response to Growth Hormone Stimulus , Hepatitis C

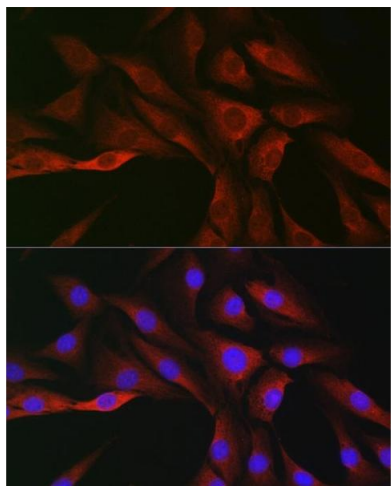
Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100
Restrictions:	For Research Use only

Handling

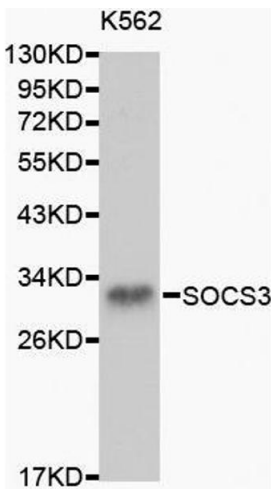
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage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

Product cited in: Zou, Liao, Fu, Zhao, Chen, Zhang: "MicroRNA-30c-5p ameliorates hypoxia-reoxygenation-induced tubular epithelial cell injury via HIF1 α stabilization by targeting SOCS3." in: **Oncotarget**, Vol. 8, Issue 54, pp. 92801-92814, (2017) ([PubMed](#)).



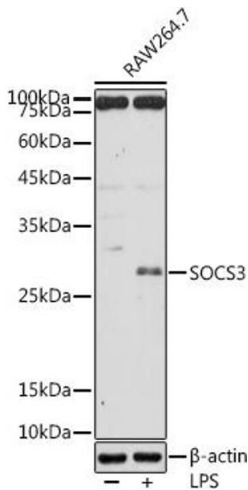
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using SOCS3 Rabbit pAb (ABIN3021099, ABIN3021100, ABIN3021101 and ABIN6213950) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of K562 cell lysate using SOCS3 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of R.7 cells, using SOCS3 antibody (ABIN3021099, ABIN3021100, ABIN3021101 and ABIN6213950) at 1:500 dilution. R.7 cells were treated by LPS (1 μ g/mL) at 37 $^{\circ}$ C for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit

(RM00020).Exposure time: 180s.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3021100.