

Datasheet for ABIN670416
anti-SOCS3 antibody (AA 155-225)[2 Images](#)[4 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SOCS3
Binding Specificity:	AA 155-225
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOCS3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Socs 3
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SOCS3
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Target Details

Alternative Name:	SOCS3 (SOCS3 Products)
Background:	<p>Synonyms: CIS3, SSI3, ATOD4, Cish3, SSI-3, SOCS-3, Suppressor of cytokine signaling 3, Cytokine-inducible SH2 protein 3, CIS-3, STAT-induced STAT inhibitor 3, SOCS3</p> <p>Background: SOCS family proteins form part of a classical negative feedback system that regulates cytokine signal transduction. SOCS3 is involved in negative regulation of cytokines that signal through the JAK/STAT pathway. Inhibits cytokine signal transduction by binding to tyrosine kinase receptors including gp13, LIF, erythropoietin, insulin, IL12, GCSF and leptin receptors. Binding to JAK2 inhibits its kinase activity. Suppresses fetal liver erythropoiesis. Regulates onset and maintenance of allergic responses mediated by T-helper type 2 cells. Regulates IL-6 signaling in vivo (By similarity). Probable substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Seems to recognize IL6ST (By similarity).</p>
Molecular Weight:	25kDa
Gene ID:	9021
UniProt:	014543
Pathways:	JAK-STAT Signaling , Response to Growth Hormone Stimulus , Hepatitis C

Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

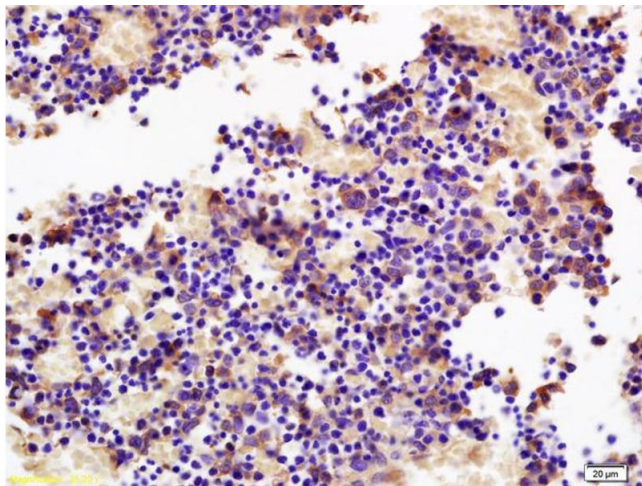
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

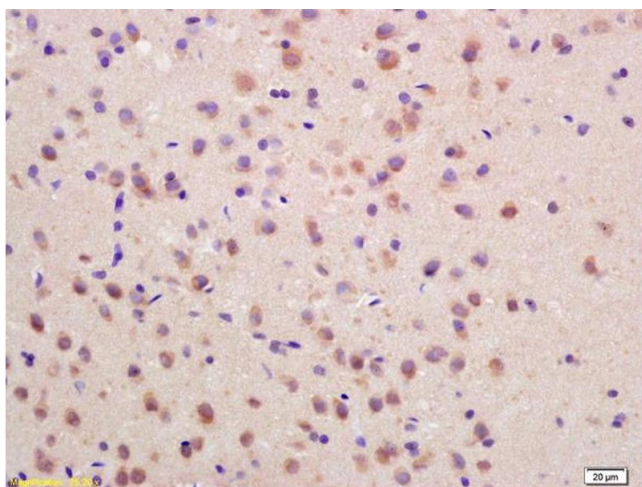
Publications

Product cited in:	<p>Song, Zhang, Li, Li, An, Cheng, Guo: "Dynamic expression of the suppressor of cytokine signaling-3 and cytokines in the cerebral basilar artery of rats with subarachnoid hemorrhage, and the effect of acetylcholine." in: Acta neurochirurgica, Vol. 156, Issue 5, pp. 941-9; discussion 949, (2014) (PubMed).</p> <p>Kou, Hu, Yao, Wang, Shen, Kang, Hong: "Transforming growth factor-β1 promotes Treg commitment in nasal polyposis after intranasal steroid treatment." in: Inflammation research : official journal of the European Histamine Research Society ... [et al.], Vol. 62, Issue 3, pp. 283-9, (2013) (PubMed).</p> <p>Zhu, Dai, Han, He, Mo, Chen, Chen, Wu, Yang, Jiang, Chen, Sun, Zhong: "Expression of SOCSs in human prostate cancer and their association in prognosis." in: Molecular and cellular biochemistry, Vol. 381, Issue 1-2, pp. 51-9, (2013) (PubMed).</p> <p>Liu, Ao, Zhou, Cui, Zhou, Yuan, Xiang, Cao, Liu: "CpG island hypermethylation of multiple tumor suppressor genes associated with loss of their protein expression during rat lung carcinogenesis induced by 3-methylcholanthrene and diethylnitrosamine." in: Biochemical and biophysical research communications, Vol. 402, Issue 3, pp. 507-14, (2010) (PubMed).</p>
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Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse embryo labeled with Rabbit Anti SOCS3 Polyclonal Antibody, Unconjugated (ABIN670416) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti SOCS3 Polyclonal Antibody, Unconjugated (ABIN670416) at 1:200 followed by conjugation to the secondary antibody and DAB staining