

# SOCS4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SOCS4.

Catalog # AT3989a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q8WXH5</a>
<b>Other Accession</b>	<a href="#">BC060790</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2b Kappa
<b>Clone Names</b>	2G8
<b>Calculated MW</b>	50623

## Additional Information

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<b>Gene ID</b>	122809
<b>Other Names</b>	Suppressor of cytokine signaling 4, SOCS-4, Suppressor of cytokine signaling 7, SOCS-7, SOCS4, SOCS7
<b>Target/Specificity</b>	SOCS4 (AAH60790, 1 a.a. ~ 440 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	SOCS4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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The protein encoded by this gene contains a SH2 domain and a SOCS BOX domain. The protein thus belongs to the suppressor of cytokine signaling (SOCS), also known as STAT-induced STAT inhibitor (SSI), protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine signaling. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.

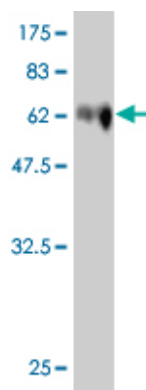
## References

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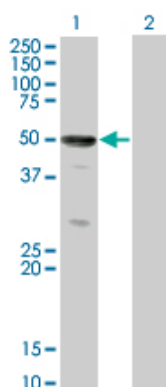
MicroRNA-98 and let-7 regulate expression of suppressor of cytokine signaling 4 in biliary epithelial cells in response to *Cryptosporidium parvum* infection. Hu G, et al. J Infect Dis, 2010 Jul 1. PMID

20486857. Polymorphisms in innate immunity genes and risk of childhood leukemia. Han S, et al. Hum Immunol, 2010 Jul. PMID 20438785. Higher expression levels of SOCS 1,3,4,7 are associated with earlier tumour stage and better clinical outcome in human breast cancer. Sasi W, et al. BMC Cancer, 2010 Apr 30. PMID 20433750. Risk of meningioma and common variation in genes related to innate immunity. Rajaraman P, et al. Cancer Epidemiol Biomarkers Prev, 2010 May. PMID 20406964. Common variation in genes related to innate immunity and risk of adult glioma. Rajaraman P, et al. Cancer Epidemiol Biomarkers Prev, 2009 May. PMID 19423540.

## Images

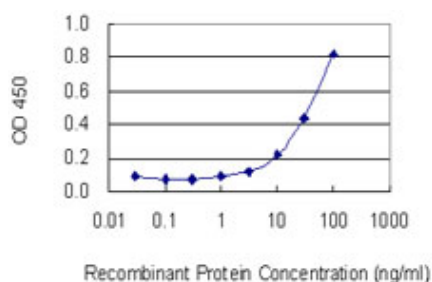


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (74.14 KDa) .



Western Blot analysis of SOCS4 expression in transfected 293T cell line by SOCS4 monoclonal antibody (M01), clone 2G8.

Lane 1: SOCS4 transfected lysate (50.6 KDa).  
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged SOCS4 is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.