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SOCS4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SOCS4.
Catalog # AT3989a

Product Information

Application	WB, E
Primary Accession	Q8WXH5
Other Accession	BC060790
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2G8
Calculated MW	50623

Additional Information

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

Background

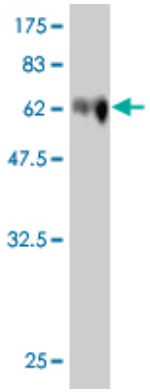
The protein encoded by this gene contains a SH2 domain and a SOCS BOX domain. The protein thus belongs to the suppressor of cytokine signaling (SOCS), also known as STAT-induced STAT inhibitor (SSI), protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine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

References

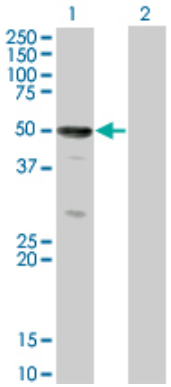
MicroRNA-98 and let-7 regulate expression of suppressor of cytokine signaling 4 in biliary epithelial cells in response to Cryptosporidium parvum infection. Hu G, et al. J Infect Dis, 2010 Jul 1. PMID

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

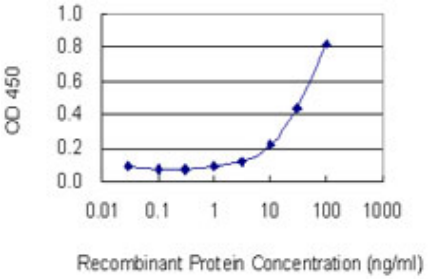


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (74.14 KDa) .



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'.