

**SOCS5 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant SOCS5.****Catalog # AT3990a****Specification**

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**SOCS5 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">O75159</a>
Other Accession	<a href="#">BC032862</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	61246

**SOCS5 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 9655**Other Names**

Suppressor of cytokine signaling 5, SOCS-5, Cytokine-inducible SH2 protein 6, CIS-6, Cytokine-inducible SH2-containing protein 5, SOCS5, CIS6, CISH5, CISH6, KIAA0671

**Target/Specificity**

SOCS5 (AAH32862, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

IHC~~1:100~500

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**

SOCS5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

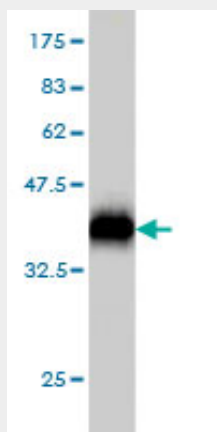
**SOCS5 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

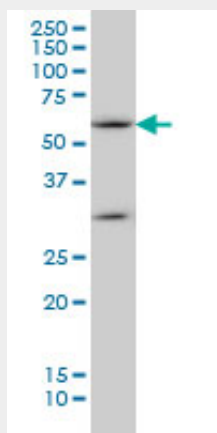
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

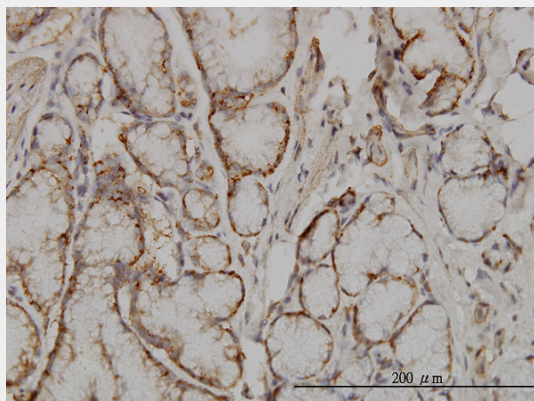
## **SOCS5 Antibody (monoclonal) (M01) - Images**



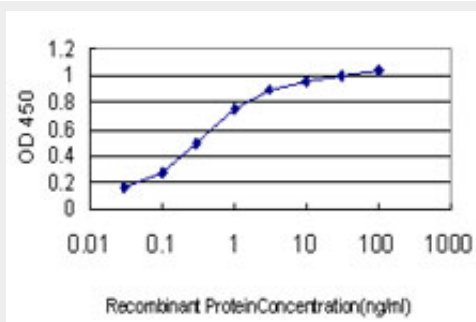
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .



SOCS5 monoclonal antibody (M01), clone 2D1 Western Blot analysis of SOCS5 expression in HepG2 ( (Cat # AT3990a )



Immunoperoxidase of monoclonal antibody to SOCS5 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged SOCS5 is approximately 0.03ng/ml as a capture antibody.

### **SOCS5 Antibody (monoclonal) (M01) - 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) family, also known as STAT-induced STAT inhibitor (SSI) protein family. SOCS family members are known to be cytokine-inducible negative regulators of cytokine signaling. The specific function of this protein has not yet been determined. Two alternatively spliced transcript variants encoding an identical protein have been reported.

### **SOCS5 Antibody (monoclonal) (M01) - References**

The control of allergic conjunctivitis by suppressor of cytokine signaling (SOCS)3 and SOCS5 in a murine model. Ozaki A, et al. J Immunol, 2005 Oct 15. PMID 16210657. Suppressor of cytokine signaling (SOCS)-5 is a potential negative regulator of epidermal growth factor signaling. Nicholson SE, et al. Proc Natl Acad Sci U S A, 2005 Feb 15. PMID 15695332. Suppressors of cytokine signaling 4 and 5 regulate epidermal growth factor receptor signaling. Kario E, et al. J Biol Chem, 2005 Feb 25. PMID 15590694. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Identification of NPM-ALK interacting proteins by tandem mass spectrometry. Crockett DK, et al. Oncogene, 2004 Apr 8. PMID 14968112.