

## SFMBT1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant SFMBT1.

Catalog # AT3839a

### Specification

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#### SFMBT1 Antibody (monoclonal) (M02) - Product Information

Application	WB, E
Primary Accession	<a href="#">O9UHJ3</a>
Other Accession	<a href="#">NM_016329</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	98141

#### SFMBT1 Antibody (monoclonal) (M02) - Additional Information

**Gene ID** 51460

#### Other Names

Scm-like with four MBT domains protein 1, hSFMBT, Renal ubiquitous protein 1, SFMBT1, RU1

#### Target/Specificity

SFMBT1 (NP\_057413, 121 a.a. ~ 230 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

#### Dilution

WB ~ 1:500 ~ 1000

#### 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

SFMBT1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

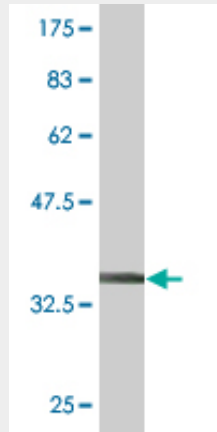
#### SFMBT1 Antibody (monoclonal) (M02) - Protocols

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

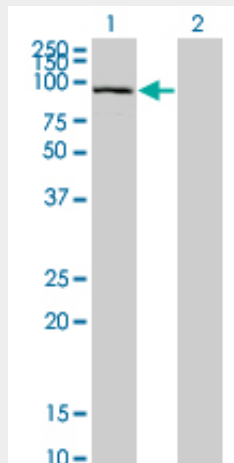
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SFMBT1 Antibody (monoclonal) (M02) - Images



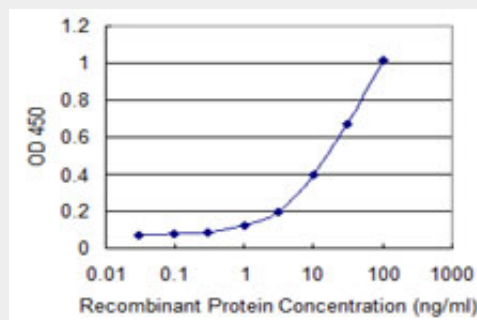
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 KDa) .



Western Blot analysis of SFMBT1 expression in transfected 293T cell line by SFMBT1 monoclonal antibody (M02), clone 2A1.

Lane 1: SFMBT1 transfected lysate(98.141 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged SFMBT1 is 0.3 ng/ml as a capture antibody.

### **SFMBT1 Antibody (monoclonal) (M02) - Background**

This gene shares high similarity with the Drosophila Scm (sex comb on midleg) gene. It encodes a protein which contains four malignant brain tumor repeat (mbt) domains and may be involved in antigen recognition. Several alternative splice variants that encode the same protein have been characterized.

### **SFMBT1 Antibody (monoclonal) (M02) - References**

Human SFMBT is a transcriptional repressor protein that selectively binds the N-terminal tail of histone H3. Wu S, et al. FEBS Lett, 2007 Jul 10. PMID 17599839. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560. Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514. 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. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.