

# SFMBT1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant SFMBT1.

Catalog # AT3839a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9UHQ3</a>
<b>Other Accession</b>	<a href="#">NM_016329</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	2A1
<b>Calculated MW</b>	98141

## Additional Information

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<b>Gene ID</b>	51460
<b>Other Names</b>	Scm-like with four MBT domains protein 1, hSFMBT, Renal ubiquitous protein 1, SFMBT1, RU1
<b>Target/Specificity</b>	SFMBT1 (NP_057413, 121 a.a. ~ 230 a.a) partial 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>	SFMBT1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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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.

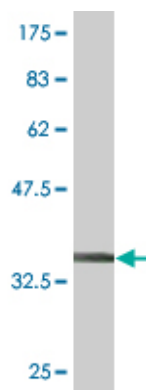
## References

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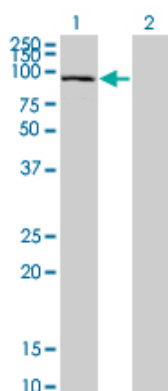
Human SFMBT is a transcriptional repressor protein that selectively binds the N-terminal tail of histone H3. Wu S, et al. FEBS Lett, 2007 Jul 10. PMID 17599839. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. 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.

## Images

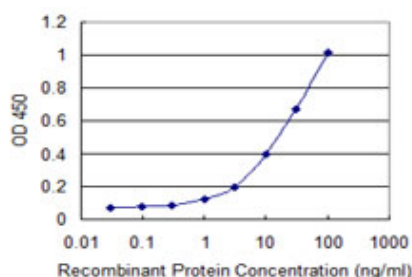


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 KDa) .



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.

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