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SFMBT1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant SFMBT1.
Catalog # AT3839a

Product Information

Application	WB, E
Primary Accession	Q9UHJ3
Other Accession	NM_016329
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2A1
Calculated MW	98141

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

Background

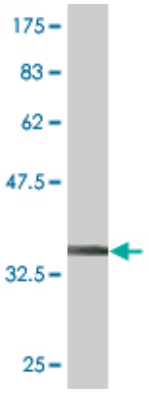
This gene shares high similarity with the Drosophila Scm (sex comb on midleg) gene. It encodes a protein which contains four malignant brain tumor repeat (mbt) domains and may be involved in antigen recognition. Several alternative splice variants that encode the same protein have been characterized.

References

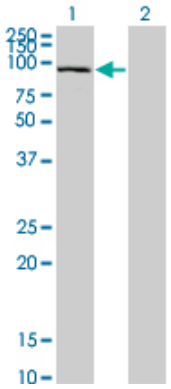
Human SFMBT is a transcriptional repressor protein that selectively binds the N-terminal tail of histone H3. Wu S, et al. FEBS Lett, 2007 Jul 10. PMID 17599839.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes.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

Images

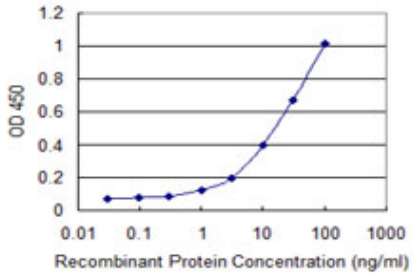


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.51 KDa) .



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'.