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TAF1C Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TAF1C.
Catalog # AT4144a

Product Information

Application	WB, E
Primary Accession	Q15572
Other Accession	NM_005679
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3E7
Calculated MW	95213

Additional Information

Gene ID	9013
Other Names	TATA box-binding protein-associated factor RNA polymerase I subunit C, RNA polymerase I-specific TBP-associated factor 110 kDa, TAFI110, TATA box-binding protein-associated factor 1C, TBP-associated factor 1C, Transcription initiation factor SL1/TIF-IB subunit C, TAF1C
Target/Specificity	TAF1C (NP_005670.2, 761 a.a. ~ 869 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	TAF1C Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

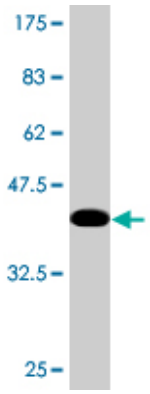
Background

Initiation of transcription by RNA polymerase I requires the formation of a complex composed of the TATA-binding protein (TBP) and three TBP-associated factors (TAFs) specific for RNA polymerase I. This complex, known as SL1, binds to the core promoter of ribosomal RNA genes to position the polymerase properly and acts as a channel for regulatory signals. This gene encodes the largest SL1-specific TAF. Two transcripts encoding different isoforms have been identified.

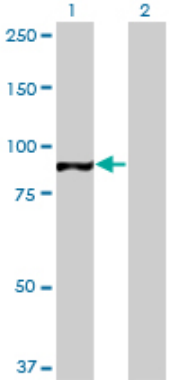
References

A genome-wide scan for common alleles affecting risk for autism. Anney R, et al. Hum Mol Genet, 2010 Aug 16. PMID 20663923.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.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.PTEN represses RNA Polymerase I transcription by disrupting the SL1 complex. Zhang C, et al. Mol Cell Biol, 2005 Aug. PMID 16055704.TBP-TAF complex SL1 directs RNA polymerase I pre-initiation complex formation and stabilizes upstream binding factor at the rDNA promoter. Friedrich JK, et al. J Biol Chem, 2005 Aug 19. PMID 15970593.

Images

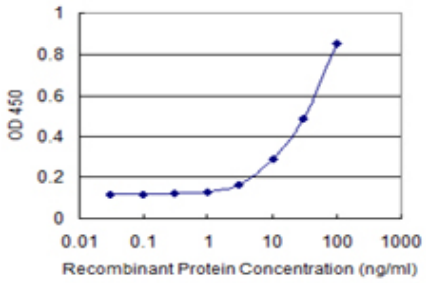


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



Western Blot analysis of TAF1C expression in transfected 293T cell line by TAF1C monoclonal antibody (M02), clone 3E6.

Lane 1: TAF1C transfected lysate(85.1 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged TAF1C is 1 ng/ml as a capture antibody.