

TAF1A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TAF1A.

Catalog # AT4143a

Product Information

Application	WB, E
Primary Accession	Q15573
Other Accession	NM_005681
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1F8
Calculated MW	52676

Additional Information

Gene ID	9015
Other Names	TATA box-binding protein-associated factor RNA polymerase I subunit A, RNA polymerase I-specific TBP-associated factor 48 kDa, TAFI48, TATA box-binding protein-associated factor 1A, TBP-associated factor 1A, Transcription factor SL1, Transcription initiation factor SL1/TIF-IB subunit A, TAF1A
Target/Specificity	TAF1A (NP_005672, 1 a.a. ~ 100 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	TAF1A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

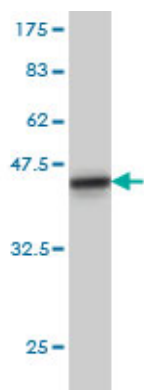
Background

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 smallest SL1-specific TAF. Two transcripts encoding different isoforms have been identified.

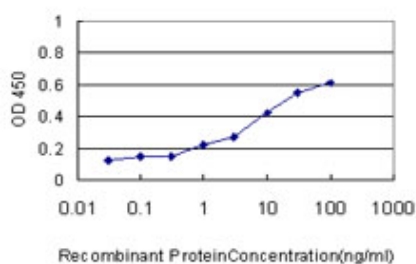
References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. The hepatitis delta virus RNA genome interacts with the human RNA polymerases I and III. Greco-Stewart VS, et al. Virology, 2009 Mar 30. PMID 19246067. Mitotic occupancy and lineage-specific transcriptional control of rRNA genes by Runx2. Young DW, et al. Nature, 2007 Jan 25. PMID 17251981. The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414. c-Myc binds to human ribosomal DNA and stimulates transcription of rRNA genes by RNA polymerase I. Grandori C, et al. Nat Cell Biol, 2005 Mar. PMID 15723054.

Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Detection limit for recombinant GST tagged TAF1A is approximately 0.1 ng/ml as a capture antibody.

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