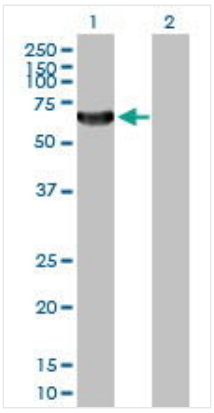
TAF1A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TAF1A, Polyclonal Antibody
Full Product Name	TAF1A (TATA Box-binding Protein-associated Factor RNA Polymerase I Subunit A, RNA Polymerase I-specific TBP-associated Factor 48kD, TATA Bo
Product Gene Name	anti-TAF1A antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TAF1A. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
OMIM	604903
3D Structure	ModBase 3D Structure for Q15573
Immunogen	Full length human TAF1A, aa1-225 (NP_005672.1).
Immunogen Sequence	MDLEESEEFKERCTQCAAVSWGLTDEGKYYCTSCHNVTERYQEVTNTDLIPNTQIKALNRGLKKKNNTEKGWDWYVCEGFQYILYQQAEALKNLGVGPE
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-TAF1A antibody	Antibodies; Enzymes; Polymerase
Applications Tested/Suitable for anti-TAF1A antibody	Western Blot (WB)
Application Notes for anti-TAF1A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TAF1A antibody	Initiation of transcription by RNA polymerase I requires the formation of a complex composed of the TATA-binding protein (TBP) and three TBP-associa
Other Notes	Small volumes of anti-TAF1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces

Searchable Terms for TAF1A purchase	MBS6395897 is an antibody targeting TAF1A. Also known as TAF1A (TATA Box-binding Protein-associated Factor RNA Polymerase I Subunit A, RNA



Western Blot (WB) of anti-TAF1A antibody
Western Blot analysis of TAF1B expression in transfected 293T cell line by TAF1B polyclonal antibody. Lane 1: TAF1B transfected lysate (68.8kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TAF1A. It may not necessarily be applicable to this product.

NCBI GI #	5032143
NCBI GeneID	9015
NCBI Accession #	NP_005672.1
UniProt Primary Accession #	Q15573
UniProt Related Accession #	Q15573
GenBank Nucleotide #	NM_005681.2
NCBI Official Full Name	TATA box-binding protein-associated factor RNA polymerase I subunit A isoform 1
NCBI Official Synonym Full Names	TATA-box binding protein associated factor, RNA polymerase I subunit A
NCBI Official Symbol	TAF1A
NCBI Official Synonym Symbols	SL1; RAFI48; TAFI48; MGC:17061
UniProt Protein Name	TATA box-binding protein-associated factor RNA polymerase I subunit A
UniProt Synonym Protein Names	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
Protein Family	TATA box-binding protein-associated factor
UniProt Gene Name	TAF1A
UniProt Synonym Gene Names	TAFI48
UniProt Entry Name	TAF1A_HUMAN
NCBI Protein Information	TATA box-binding protein-associated factor RNA polymerase I subunit A
NCBI Summary for TAF1A	This gene encodes a subunit of the RNA polymerase I complex, Selectivity Factor I (SLI). The encoded protein is a TATA box-binding protein-associated factor that plays a role in the assembly of the RNA polymerase I preinitiation complex. Alternate splicing results in multiple transcript variants encoding multiple isoforms.[provided by RefSeq, Jan 2011]

UniProt Comments for TAF1A	TAF1A: Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (preinitiation complex) during RNA polymerase I-dependent transcription. The rate of PIC formation probably is primarily dependent on the rate of association of SL1/TIF-IB with the rDNA promoter. SL1/TIF-IB is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA. Formation of SL1/TIF-IB excludes the association of TBP with TFIID subunits. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 1q42 Cellular Component: microtubule cytoskeleton; nucleoplasm; intracellular membrane-bound organelle; RNA polymerase I transcription factor complex; nucleus Molecular Function: protein binding; DNA binding Biological Process: transcription from RNA polymerase II promoter; chromatin silencing at rDNA; negative regulation of gene expression, epigenetic; RNA elongation from RNA polymerase I promoter; transcription from RNA polymerase I promoter; gene expression; termination of RNA polymerase I transcription; transcription initiation from RNA polymerase I promoter; regulation of gene expression, epigenetic
Research Articles on TAF1A	**1.** The authors demonstrate the interaction of both RNA polymerase I and III with hepatitis delta virus RNA, both in vitro and in human cells.
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