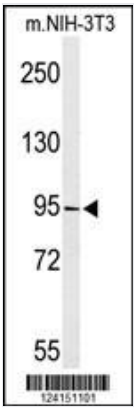
TAF3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TAF3, Polyclonal Antibody
Full Product Name	TAF3, CT (TAF3, Transcription initiation factor TFIID subunit 3, 140kD TATA box-binding protein-associated factor, TBP-associated factor 3, Transcription initiation factor TFIID 140kD subunit) (APC)
Product Gene Name	anti-TAF3 antibody
Product Synonym Names	TAF3; Transcription initiation factor TFIID subunit 3; 140kD TATA box-binding protein-associated factor; TBP-associated factor 3; Transcription initiation factor TFIID 140kD subunit
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 Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	103,582 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (7860673..8056714). Location: 10p15.1
OMIM	606576
3D Structure	ModBase 3D Structure for Q5VWG9
Immunogen	TAF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 613~643 amino acids from the C-terminal region of human TAF3.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-TAF3 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TAF3 antibody	Western Blot (WB), FLISA
Application Notes for anti-TAF3 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TAF3 antibody	The highly conserved RNA polymerase II transcription factor TFIID (see TAF1; MIM 313650) comprises the TATA box-binding protein (TBP; MIM 600075) and a set of TBP-associated factors (TAFs), including TAF3. TAFs contribute to promoter recognition and selectivity and act as antiapoptotic factors (Gangloff et al., 2001 [PubMed 11438666]).
Product References and Citations for anti-TAF3 antibody	Trynka, G., et al. Gut 58(8):1078-1083(2009). Luke, M.M., et al. Stroke 40(2):363-368(2009). Shiffman, D., et al. Arterioscler. Thromb. Vasc. Biol. 28(1):173-179(2008).

Other Notes	Small volumes of anti-TAF3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TAF3 purchase	MBS6353381 is an antibody targeting TAF3. Also known as TAF3, CT (TAF3, Transcription initiation factor TFIID subunit 3, 140kD TATA box-binding protein-associated factor, TBP-associated factor 3, Transcription initiation factor TFIID 140kD subunit) (APC). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-TAF3 antibody
Western blot analysis of TAF3 Antibody (C-term) in NIH-3T3 cell line lysates (35ug/lane).
TAF3 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TAF3. It may not necessarily be applicable to this product.

NCBI GI #	151301171
NCBI GeneID	83860
NCBI Accession #	NP_114129.1
UniProt Primary Accession #	Q5VWG9
UniProt Secondary Accession #	Q05DA0; Q6GMS5; Q6P6B5; Q86VY6; Q9BQS9; Q9UFI8
UniProt Related Accession #	Q5VWG9
GenBank Nucleotide #	NM_031923.3
NCBI Official Full Name	transcription initiation factor TFIID subunit 3
NCBI Official Synonym Full Names	TAF3 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 140kDa
NCBI Official Symbol	TAF3
NCBI Official Synonym Symbols	TAF140; TAFII140; TAFII-140
UniProt Protein Name	Transcription initiation factor TFIID subunit 3
UniProt Synonym Protein Names	140 kDa TATA box-binding protein-associated factor; TBP-associated factor 3; Transcription initiation factor TFIID 140 kDa subunit
Protein Family	Transcription initiation factor
UniProt Gene Name	TAF3
UniProt Synonym Gene Names	TAF(II)140; TAF140; TAFII-140; TAFII140
UniProt Entry Name	TAF3_HUMAN
NCBI Protein Information	transcription initiation factor TFIID subunit 3; TAF(II)140; TBP-associated factor 3; RNA polymerase II transcription factor TAFII140; 140 kDa TATA box-binding protein-associated factor; transcription initiation factor TFIID 140 kDa subunit

UniProt Comments for TAF3	TAF140: Transcription factor TFIID is one of the general factors required for accurate and regulated initiation by RNA polymerase II. TFIID is a multimeric protein complex that plays a central role in mediating promoter responses to various activators and repressors. Required in complex with TBPL2 for the differentiation of myoblasts into myocytes. The complex replaces TFIID at specific promoters at an early stage in the differentiation process. Belongs to the TAF3 family. Protein type: Transcription initiation complex Chromosomal Location of Human Ortholog: 10p15.1 Cellular Component: nucleoplasm; transcription factor TFIID complex; nucleus Molecular Function: protein binding; zinc ion binding; p53 binding Biological Process: transcription from RNA polymerase II promoter; transcription initiation from RNA polymerase II promoter; viral reproduction; negative regulation of transcription factor activity; RNA elongation from RNA polymerase II promoter; gene expression; negative regulation of transcription from RNA polymerase II promoter; maintenance of protein localization in nucleus
Research Articles on TAF3	**1.** Study shows that H3K4me3-TAF3 interactions direct global TFIID recruitment to active genes, some of which are p53 targets. Further analyses show that H3K4me3 enhances p53-dependent transcription by stimulating preinitiation complex formation.
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