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TAF6 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55030

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P49848
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72668
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TAF6
Epitope Specificity	111-210/677
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear.
SIMILARITY	Belongs to the TAF6 family.
SUBUNIT	TFIID and PCAF are composed of TATA binding protein (TBP) and a number of TBP-associated factors (TAFs). TBP is not part of TFTC. Interacts directly with TBP, TAF1/TAFII250, TAF9/TAFII31 AND TAF12/TAFII20. The TAF6/TAFII70-TAF9/TAFII31 heterodimer forms an octamer complex with the TAF4B/TFII105-TAF12/TFIID20 heterodimer. Component of some MLL1/MLL complex, at least composed of the core components KMT2A/MLL1, ASH2L, HCFC1/HCF1, WDR5 and RBBP5, as well as the facultative components BAP18, CHD8, E2F6, HSP70, INO80C, KANSL1, LAS1L, MAX, MCRS1, MGA, MYST1/MOF, PELP1, PHF20, PRP31, RING2, RUVB1/TIP49A, RUVB2/TIP49B, SENP3, TAF1, TAF4, TAF6, TAF7, TAF9 and TEX10. Also interacts with the GTFs, TFIIEalpha/GTF2E1 and TFIIFalpha/GTF2F1. Component of the TFTC-HAT complex.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes one of the smaller subunits of TFIID that binds weakly to TBP but strongly to TAF1, the largest subunit of TFIID. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]

Additional Information

Gene ID	6878
Other Names	Transcription initiation factor TFIID subunit 6, RNA polymerase II TBP-associated factor subunit E, Transcription initiation factor TFIID 70 kDa subunit, TAF(II)70, TAFII-70, TAFII70, Transcription initiation factor TFIID 80 kDa subunit, TAF(II)80, TAFII-80, TAFII80, TAF6, TAF2E, TAFII70
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TAF6
Synonyms	TAF2E, TAFII70
Function	The TFIID basal transcription factor complex plays a major role in the initiation of RNA polymerase II (Pol II)-dependent transcription (PubMed:33795473). TFIID recognizes and binds promoters with or without a TATA box via its subunit TBP, a TATA-box-binding protein, and promotes assembly of the pre-initiation complex (PIC) (PubMed:33795473). The TFIID complex consists of TBP and TBP-associated factors (TAFs), including TAF1, TAF2, TAF3, TAF4, TAF5, TAF6, TAF7, TAF8, TAF9, TAF10, TAF11, TAF12 and TAF13 (PubMed:33795473). The TFIID complex structure can be divided into 3 modules TFIID-A, TFIID-B, and TFIID-C (PubMed:33795473). TAF6 homodimer connects TFIID modules, forming a rigid core (PubMed:33795473).
Cellular Location	Nucleus.