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TAF3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9641a

Product Information

Application	WB, E
Primary Accession	Q5VWG9
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24151
Calculated MW	103582
Antigen Region	606-635

Additional Information

Gene ID	83860
Other Names	Transcription initiation factor TFIID subunit 3, 140 kDa TATA box-binding protein-associated factor, TBP-associated factor 3, Transcription initiation factor TFIID 140 kDa subunit, TAF(II)140, TAF140, TAFII-140, TAFII140, TAF3
Target/Specificity	This TAF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 606-635 amino acids from the C-terminal region of human TAF3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TAF3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TAF3
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). TAF3 forms the TFIID-A module together with TAF5 and TBP (PubMed:33795473). Required in complex with TBPL2 for the differentiation of myoblasts into myocytes (PubMed:11438666). The TAF3- TBPL2 complex replaces TFIID at specific promoters at an early stage in the differentiation process (PubMed:11438666).

Cellular Location Nucleus.

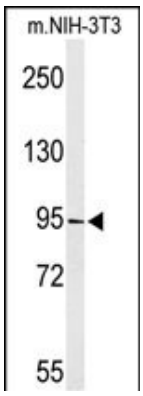
Background

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]).

References

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)

Images



Western blot analysis of TAF3 Antibody (C-term) (Cat. #AP9641a) in NIH-3T3 cell line lysates (35ug/lane). TAF3 (arrow) was detected using the purified Pab.