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TAF4 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22185b

Product Information

Application	WB, IHC-P, E
Primary Accession	O00268
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56278
Calculated MW	110114

Additional Information

Gene ID	6874
Other Names	Transcription initiation factor TFIID subunit 4, RNA polymerase II TBP-associated factor subunit C, TBP-associated factor 4, Transcription initiation factor TFIID 130 kDa subunit, TAF(II)130, TAFII-130, TAFII130, Transcription initiation factor TFIID 135 kDa subunit, TAF(II)135, TAFII-135, TAFII135, TAF4, TAF2C, TAF2C1, TAF4A, TAFII130, TAFII135
Target/Specificity	This TAF4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1021-1062 amino acids from human TAF4.
Dilution	WB~~1:2000 IHC-P~~1:100~500 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	TAF4 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TAF4
Synonyms	TAF2C, TAF2C1, TAF4A, TAFII130, TAFII135

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:10594036, PubMed:33795473, PubMed:8942982). TAF4 may maintain an association between the TFIID and TFIIA complexes, while bound to the promoter, together with TBP, during PIC assembly (PubMed:33795473). Potentiates transcriptional activation by the AF-2S of the retinoic acid, vitamin D3 and thyroid hormone (PubMed:9192867).
Cellular Location	Nucleus.

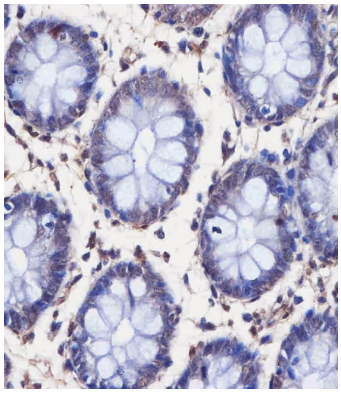
Background

Part of the TFIID complex, a multimeric protein complex that plays a central role in mediating promoter responses to various activators and repressors. Potentiates transcriptional activation by the AF-2S of the retinoic acid, vitamin D3 and thyroid hormone.

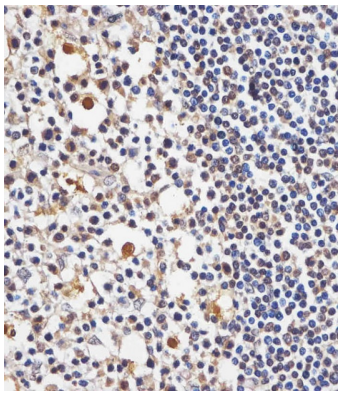
References

Mengus G.,et al.Genes Dev. 11:1381-1395(1997).
Deloukas P.,et al.Nature 414:865-871(2001).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Tanese N.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:13611-13616(1996).
Damania B.,et al.Genes Dev. 10:1369-1381(1996).

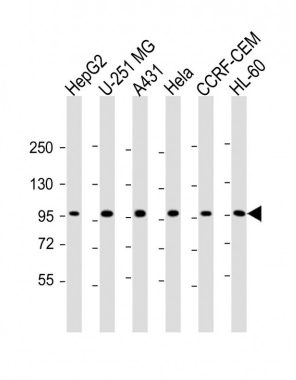
Images



AP22185b staining TAF4 in human colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



AP22185b staining TAF4 in human tonsil tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



All lanes : Anti-TAF4 Antibody (C-Term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: U-251 MG whole cell lysate Lane 3: A431 whole cell lysate Lane 4: Hela whole cell lysate Lane 5: CCRF-CEM whole cell lysate Lane 6: HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 110 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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