

### TAF4 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP22185b

### Specification

# TAF4 Antibody (C-Term) - Product Information

Application Primary Accession Reactivity Host Clonality Isotype Calculated MW WB, IHC-P,E 000268 Human Rabbit polyclonal Rabbit IgG 110114

### TAF4 Antibody (C-Term) - 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, TAFII-135, 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~~1:25

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.

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

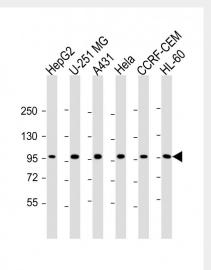
Cellular Location Nucleus.

## TAF4 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

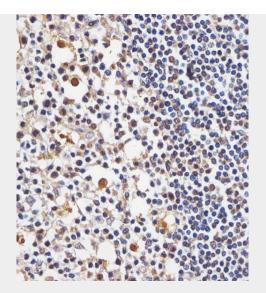
- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- <u>Dot Blot</u>
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## TAF4 Antibody (C-Term) - Images

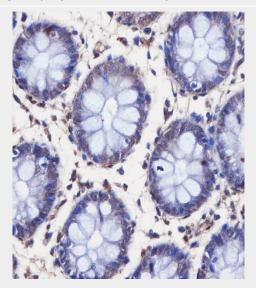


All lanes : Anti-TAF4 Antibody (C-Term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: U-251 MG whole cell lysate Lane 3: A431 whole cell lysate Lane 4: Hela whole cell lysate Lane 5: CCRF-CEM whole cell lysate Lane 6: HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary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





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.



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.

### TAF4 Antibody (C-Term) - 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.

## TAF4 Antibody (C-Term) - 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).