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TAF2 Antibody (C-Term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9965a

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	Q6P1X5
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23821
Calculated MW	136971
Antigen Region	1152-1180

Additional Information

Gene ID	6873
Other Names	Transcription initiation factor TFIID subunit 2, 150 kDa cofactor of initiator function, RNA polymerase II TBP-associated factor subunit B, TBP-associated factor 150 kDa, Transcription initiation factor TFIID 150 kDa subunit, TAF(II)150, TAFII-150, TAFII150, TAF2, CIF150, TAF2B
Target/Specificity	This TAF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1152-1180 amino acids from the C-terminal region of human TAF2.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 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	TAF2 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TAF2
Synonyms	CIF150, TAF2B

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, PubMed:9418870, PubMed:9774672). TAF2 forms a promoter DNA binding subcomplex of TFIID, together with TAF7 and TAF1 (PubMed:33795473, PubMed:9774672).
Cellular Location	Nucleus.
Tissue Location	Expressed in all tissues tested.

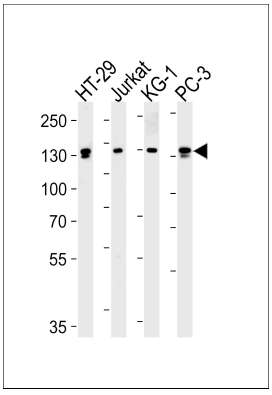
Background

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 larger subunits of TFIID that is stably associated with the TFIID complex. It contributes to interactions at and downstream of the transcription initiation site, interactions that help determine transcription complex response to activators.

References

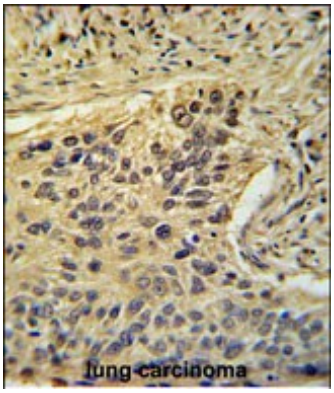
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Kim, J.E., et al. J. Proteome Res. 4(4):1339-1346(2005)
Guermah, M., et al. Mol. Cell 12(4):991-1001(2003)

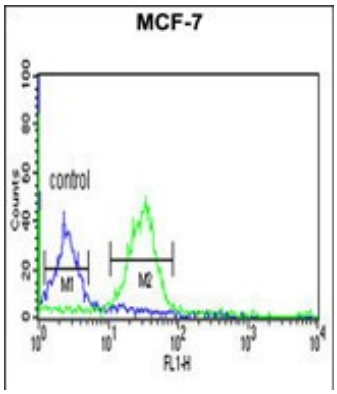
Images



Western blot analysis of lysates from HT-29, Jurkat, KG-1, PC-3 cell line (from left to right), using TAF2 Antibody (C-Term)(Cat. #AP9965a). AP9965a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

TAF2 Antibody (C-Term) (Cat. #AP9965a) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TAF2 Antibody (C-Term) for immunohistochemistry. Clinical relevance has not been evaluated.





TAF2 Antibody (C-Term) (Cat. #AP9965a) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.