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Anti-TAF4 Antibody

Catalog # AP54061

Product Information

Application	WB, IHC
Primary Accession	O00268
Other Accession	Q92750
Reactivity	Human, Mouse, Rat, Pig, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110114

Additional Information

Gene ID	6874
Other Names	TAF4; TAF2C; TAF2C1; TAF4A; TAFII130; TAFII135; 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; TAF4B; TAF2C2; TAFII105; Transcription initiation factor TFIID subunit 4B; Transcription initiation factor TFIID 105 kDa subunit; TAF(II)105; TAFII-105; TAFII105
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human TAF4. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

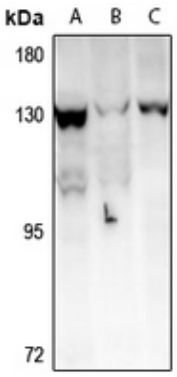
Protein Information

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

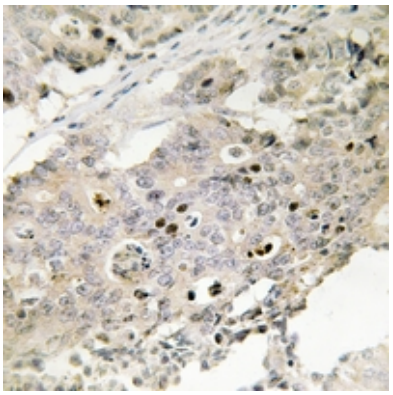
TAF13 (PubMed:10594036, PubMed:33795473, PubMed:8942982). TAF4 may maintain an association between the TFIID and TFIIA complexes, while bound to the promoter, together with TBP, during PIC assembly (PubMed:33795473). Potentiates transcriptional activation by the AF-2S of the retinoic acid, vitamin D3 and thyroid hormone (PubMed:9192867).

Cellular Location Nucleus.

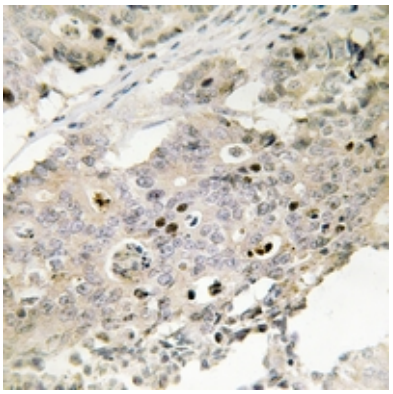
Images



Western blot analysis of TAF4 expression in A2780 (A), SKOV3 (B), mouse embryo (C) whole cell lysates. (Predicted band size: 110; 91 kD; Observed band size: 135; 105 kD)



Immunohistochemical analysis of TAF4 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of TAF4 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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