

TAF4 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI10506

Product Information

Application	WB, CHIP
Primary Accession	O00268
Other Accession	NM_003185 , NP_003176
Reactivity	Human, Mouse, Pig, Dog, Bovine
Predicted	Human, Mouse, Pig, Chicken, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110114

Additional Information

Gene ID	6874
Alias Symbol Other Names	FLJ41943, 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, TAF4, TAF2C, TAF2C1, TAF4A, TAFII130, TAFII135
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-TAF4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	TAF4 antibody - middle region 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](#)).

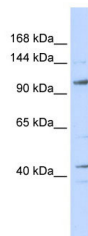
Cellular Location

Nucleus.

References

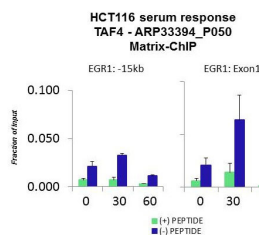
Liu, W.L., (2008) Mol. Cell 29 (1), 81-91 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-TAF4 Antibody Titration: .2-1 ug/ml
ELISA Titer: 1:3125
Positive Control: 293T cell lysate

TAF4 is supported by BioGPS gene expression data to be expressed in HEK293T



Quiescent human colon carcinoma HCT116 cultures were treated with 1% FBS for three time points (, 15, 3min) or (, 3, 6min) were used in Matrix-ChIP and real-time PCR assays at EGR1 gene (Exon1) and 15kb upstream site.

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