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TAF7 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI16267

Product Information

Application	WB
Primary Accession	Q15545
Other Accession	NM_005642, NP_005633
Reactivity	Human, Mouse, Rat, Pig, Guinea Pig, Bovine
Predicted	Human, Mouse, Rat, Pig, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40259

Additional Information

Gene ID	6879
Alias Symbol	TAF2F, TAFII55
Other Names	Transcription initiation factor TFIID subunit 7, RNA polymerase II TBP-associated factor subunit F, Transcription initiation factor TFIID 55 kDa subunit, TAF(II)55, TAFII-55, TAFII55, TAF7, TAF2F, TAFII55
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-TAF7 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	TAF7 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TAF7
Synonyms	TAF2F, TAFII55
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:10438527, PubMed:33795473). TAF7 forms a promoter DNA binding subcomplex of TFIID, together with TAF1 and TAF2 (PubMed:33795473). Part of a TFIID complex containing TAF10 (TFIID alpha) and a TFIID complex lacking TAF10 (TFIID beta) (PubMed:10438527).

Cellular Location Nucleus {ECO:0000250|UniProtKB:Q9R1C0}.

Tissue Location Ubiquitous.

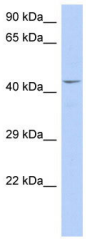
Background

Functions as a component of the DNA-binding general transcription factor complex TFIID, a multimeric protein complex that plays a central role in mediating promoter responses to various activators and repressors. Present in both of the previously described TFIID species which either lack or contain TAFII30 (TFIID alpha and TFIID beta respectively).

References

Lavigne A.C.,et al.J. Biol. Chem. 271:19774-19780(1996).
Chiang C.-M.,et al.Science 267:531-536(1995).
Zhou T.,et al.J. Biol. Chem. 276:25503-25511(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



WB Suggested Anti-TAF7 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: DU145 cell lysate

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