10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TAF7 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14686b

Product Information

Application	WB, E
Primary Accession	Q15545
Other Accession	Q9R1C0, Q4R5A5, Q6R1L1, Q2HJG8, NP_005633.2
Reactivity	Human, Mouse
Predicted	Bovine, Hamster, Monkey, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40259
Antigen Region	308-337

Additional Information

Gene ID	6879
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
Target/Specificity	This TAF7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 308-337 amino acids from the C-terminal region of human TAF7.
Dilution	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	TAF7 Antibody (C-term) 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.

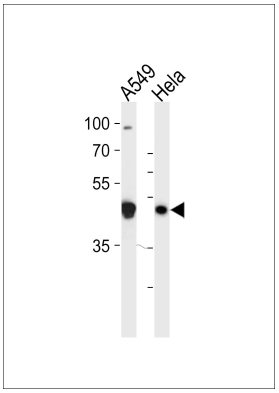
Background

The intronless gene for this transcription coactivator is located between the protocadherin beta and gamma gene clusters on chromosome 5. The protein encoded by this gene is a component of the TFIID protein complex, a complex which binds to the TATA box in class II promoters and recruits RNA polymerase II and other factors. This particular subunit interacts with the largest TFIID subunit, as well as multiple transcription activators. The protein is required for transcription by promoters targeted by RNA polymerase II.

References

Gegonne, A., et al. Proc. Natl. Acad. Sci. U.S.A. 105(14):5367-5372(2008)
Hartman, W.R., et al. Arch. Biochem. Biophys. 459(2):223-232(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Couture, J.F., et al. Nat. Struct. Mol. Biol. 13(2):140-146(2006)

Images



TAF7 Antibody (C-term) (Cat. #AP14686b) western blot analysis in A549,Hela cell line lysates (35ug/lane).This demonstrates the TAF7 antibody detected the TAF7 protein (arrow).

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