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TAF7 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5093

Product Information

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

Additional Information

Gene ID	6879
Antigen Region	308-337
Other Names	TAF7; TAF2F; TAFII55; Transcription initiation factor TFIID subunit 7; RNA polymerase II TBP-associated factor subunit F; Transcription initiation factor TFIID 55 kDa subunit
Dilution	WB~~1:1000
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.
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.

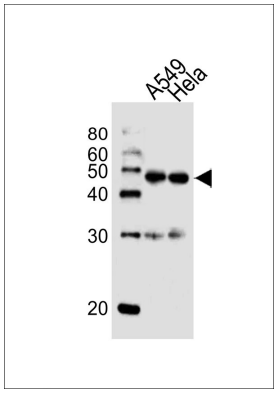
Background

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)
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Images



Western blot analysis of lysates from A549,Hela cell line (from left to right), using TAF7 Antibody (C-term)(Cat. #AW5093). AW5093 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.

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