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TAF2 Antibody (C-Term) Blocking Peptide

Synthetic peptide
Catalog # BP9965a

Specification

TAF2 Antibody (C-Term) Blocking Peptide - Product Information

Primary Accession Q6P1X5

TAF2 Antibody (C-Term) Blocking Peptide - Additional Information

Gene ID 6873

Other Names
Transcription initiation factor TFIID subunit 2, 150 kDa cofactor of initiator function, RNA polymerase II TBP-associated factor subunit B, TBP-associated factor 150 kDa, Transcription initiation factor TFIID 150 kDa subunit, TAF(II)150, TAFII-150, TAFII150, TAF2, CIF150, TAF2B

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TAF2 Antibody (C-Term) Blocking Peptide - Protein Information

Name TAF2

Synonyms CIF150, TAF2B

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:33795473, PubMed:9418870, PubMed:9774672). TAF2 forms a promoter DNA binding subcomplex of TFIID, together with TAF7 and TAF1 (PubMed:33795473, PubMed:9774672).

Cellular Location
Nucleus.

Tissue Location
Expressed in all tissues tested.

TAF2 Antibody (C-Term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

TAF2 Antibody (C-Term) Blocking Peptide - Images

TAF2 Antibody (C-Term) Blocking Peptide - Background

Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes one of the larger subunits of TFIID that is stably associated with the TFIID complex. It contributes to interactions at and downstream of the transcription initiation site, interactions that help determine transcription complex response to activators.

TAF2 Antibody (C-Term) Blocking Peptide - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)Kim, J.E., et al. J. Proteome Res. 4(4):1339-1346(2005)Guermah, M., et al. Mol. Cell 12(4):991-1001(2003)