

TAF6 Antibody (N-term) Blocking Peptide

Synthetic peptide

Catalog # BP14599a

Specification

TAF6 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

[P49848](#)**TAF6 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 6878

Other Names

Transcription initiation factor TFIID subunit 6, RNA polymerase II TBP-associated factor subunit E, Transcription initiation factor TFIID 70 kDa subunit, TAF(II)70, TAFII-70, TAFII70, Transcription initiation factor TFIID 80 kDa subunit, TAF(II)80, TAFII-80, TAFII80, TAF6, TAF2E, TAFII70

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.

TAF6 Antibody (N-term) Blocking Peptide - Protein Information

Name TAF6

Synonyms TAF2E, TAFII70

Function

The TFIID basal transcription factor complex plays a major role in the initiation of RNA polymerase II (Pol II)-dependent transcription (PubMed: [33795473](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/33795473)). The TFIID complex structure can be divided into 3 modules TFIID-A, TFIID-B, and TFIID-C (PubMed: [33795473](http://www.uniprot.org/citations/33795473)). TAF6 homodimer connects TFIID modules, forming a rigid core (PubMed: [33795473](http://www.uniprot.org/citations/33795473)).

Cellular Location

Nucleus.

TAF6 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TAF6 Antibody (N-term) Blocking Peptide - Images

TAF6 Antibody (N-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 smaller subunits of TFIID that binds weakly to TBP but strongly to TAF1, the largest subunit of TFIID. Alternative splicing results in multiple transcript variants.

TAF6 Antibody (N-term) Blocking Peptide - References

Theisen, J.W., et al. Mol. Cell. Biol. (2010) In press :Wilhelm, E., et al. BMC Mol. Biol. 11, 10 (2010)
:Wilhelm, E., et al. PLoS ONE 3 (7), E2721 (2008) :Frontini, M., et al. Mol. Cell. Biol.
25(11):4638-4649(2005)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A.
101(33):12130-12135(2004)