

TAF10 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18828c**Specification**

TAF10 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q12962](#)**TAF10 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6881**Other Names**

Transcription initiation factor TFIID subunit 10, STAF28, Transcription initiation factor TFIID 30 kDa subunit, TAF(II)30, TAFII-30, TAFII30, TAF10, TAF2A, TAF2H, TAFII30

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.

TAF10 Antibody (Center) Blocking Peptide - Protein Information**Name** TAF10**Synonyms** TAF2A, TAF2H, TAFII30**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)). TAF10 is also component of the PCAF histone acetylase complex, the TATA-binding protein-free TAF complex (TFTC) and the STAGA transcription coactivator-HAT complex (PubMed: [18206972](http://www.uniprot.org/citations/18206972), PubMed: [11564863](http://www.uniprot.org/citations/11564863), PubMed: [9885574](http://www.uniprot.org/citations/9885574), PubMed: [10373431](http://www.uniprot.org/citations/10373431), PubMed: [12601814](http://www.uniprot.org/citations/12601814)).

target="_blank">12601814). May regulate cyclin E expression (By similarity).

Cellular Location

Nucleus

TAF10 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TAF10 Antibody (Center) Blocking Peptide - Images

TAF10 Antibody (Center) 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 small subunits of TFIID that is associated with a subset of TFIID complexes. Studies with human and mammalian cells have shown that this subunit is required for transcriptional activation by the estrogen receptor, for progression through the cell cycle, and may also be required for certain cellular differentiation programs.

TAF10 Antibody (Center) Blocking Peptide - References

Egloff, S., et al. J. Biol. Chem. 285(27):20564-20569(2010) Ma, Y., et al. J. Biol. Chem. 285(13):9813-9822(2010) Zhao, Y., et al. Mol. Cell 29(1):92-101(2008) Hao, H., et al. Oncogene 26(57):7872-7884(2007) Couture, J.F., et al. Nat. Struct. Mol. Biol. 13(2):140-146(2006)