

TAF8 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13397c**Specification**

TAF8 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q7Z7C8](#)**TAF8 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 129685**Other Names**

Transcription initiation factor TFIID subunit 8, Protein taube nuss, TBP-associated factor 43 kDa, TBP-associated factor 8, Transcription initiation factor TFIID 43 kDa subunit, TAFII-43, TAFII43, hTAFII43, TAF8, TAFII43, TBN

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13397c was selected from the Center region of TAF8. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

TAF8 Antibody (Center) Blocking peptide - Protein Information**Name** TAF8**Synonyms** TAFII43, TBN**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). The TFIID complex structure can be divided into 3 modules

TFIID-A, TFIID-B, and TFIID-C (PubMed:33795473). TAF8 is involved in forming the TFIID-B module, together with TAF5 (PubMed:33795473). Mediates both basal and activator-dependent transcription (PubMed:14580349). Plays a role in the differentiation of preadipocyte fibroblasts to adipocytes, however, does not seem to play a role in differentiation of myoblasts (PubMed:14580349). Required for the integration of TAF10 in the TAF complex (PubMed:14580349). May be important for survival of cells of the inner cell mass which constitute the pluripotent cell population of the early embryo (By similarity).

Cellular Location

Nucleus. Cytoplasm Note=Predominantly nuclear.

TAF8 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TAF8 Antibody (Center) Blocking peptide - Images

TAF8 Antibody (Center) Blocking peptide - Background

This gene encodes one of several TATA-binding protein(TBP)-associated factors (TAFs), which are integral subunits of the general transcription factor complex TFIID. TFIID recognizes the core promoter of many genes and nucleates the assembly of a transcription preinitiation complex containing RNA polymerase II and other initiation factors. The protein encoded by this gene contains an H4-like histone fold domain, and interacts with several subunits of TFIID including TBP and the histone-fold protein TAF10. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq].

TAF8 Antibody (Center) Blocking peptide - References

Ganesh, S.K., et al. Nat. Genet. 41(11):1191-1198(2009) Soranzo, N., et al. Nat. Genet. 41(11):1182-1190(2009) Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009) Soutoglou, E., et al. Mol. Cell. Biol. 25(10):4092-4104(2005) Guermah, M., et al. Mol. Cell 12(4):991-1001(2003)