

TAF9 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14594a**Specification**

TAF9 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q16594](#)**TAF9 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 6880**Other Names**

Transcription initiation factor TFIID subunit 9, RNA polymerase II TBP-associated factor subunit G, STAF31/32, Transcription initiation factor TFIID 31 kDa subunit, TAFII-31, TAFII31, Transcription initiation factor TFIID 32 kDa subunit, TAFII-32, TAFII32, TAF9, TAF2G, TAFII31

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.

TAF9 Antibody (N-term) Blocking Peptide - Protein Information**Name** TAF9**Synonyms** TAF2G, TAFII31**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)). TAF9 is also a component of the TBP-free TAFII complex (TFTC), the PCAF histone acetylase complex and the STAGA transcription coactivator-HAT complex (PubMed: [15899866](http://www.uniprot.org/citations/15899866)). TAF9 and its paralog TAF9B are involved in transcriptional activation as well as repression of distinct but overlapping sets of genes (PubMed: [15899866](http://www.uniprot.org/citations/15899866)). Essential for

cell viability (PubMed:15899866). May have a role in gene regulation associated with apoptosis (PubMed:15899866).

Cellular Location

Nucleus

TAF9 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TAF9 Antibody (N-term) Blocking Peptide - Images

TAF9 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 to the basal transcription factor GTF2B as well as to several transcriptional activators such as p53 and VP16. A similar but distinct gene (TAF9L) has been found on the X chromosome and a pseudogene has been identified on chromosome 19. Alternative splicing results in multiple transcript variants encoding different isoforms.

TAF9 Antibody (N-term) Blocking Peptide - References

Kim, D.H., et al. BMB Rep 42(7):411-417(2009) Sengupta, T., et al. Proc. Natl. Acad. Sci. U.S.A. 106(11):4213-4218(2009) Liu, X., et al. Mol. Cell. Biol. 28(1):108-121(2008) McKeegan, K.S., et al. Mol. Cell. Biol. 27(19):6782-6793(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006)