

TAF1A Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16145a**Specification**

TAF1A Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q15573](#)**TAF1A Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9015**Other Names**

TATA box-binding protein-associated factor RNA polymerase I subunit A, RNA polymerase I-specific TBP-associated factor 48 kDa, TAFI48, TATA box-binding protein-associated factor 1A, TBP-associated factor 1A, Transcription factor SL1, Transcription initiation factor SL1/TIF-IB subunit A, TAF1A

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.

TAF1A Antibody (N-term) Blocking Peptide - Protein Information**Name** TAF1A**Function**

Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (pre-initiation complex) during RNA polymerase I-dependent transcription. The rate of PIC formation probably is primarily dependent on the rate of association of SL1/TIF-IB with the rDNA promoter. SL1/TIF-IB is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA. Formation of SL1/TIF-IB excludes the association of TBP with TFIID subunits.

Cellular Location

Nucleus, nucleolus

TAF1A Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TAF1A Antibody (N-term) Blocking Peptide - Images

TAF1A Antibody (N-term) Blocking Peptide - Background

Initiation of transcription by RNA polymerase I requires the formation of a complex composed of the TATA-binding protein (TBP) and three TBP-associated factors (TAFs) specific for RNA polymerase I. This complex, known as SL1, binds to the core promoter of ribosomal RNA genes to position the polymerase properly and acts as a channel for regulatory signals. This gene encodes the smallest SL1-specific TAF. Two transcripts encoding different isoforms have been identified.

TAF1A Antibody (N-term) Blocking Peptide - References

Greco-Stewart, V.S., et al. Virology 386(1):12-15(2009) Yamamoto, K., et al. Mol. Cell. Biol. 24(14):6338-6349(2004) Dynes, J.L., et al. J. Biochem. 135(3):429-438(2004) Hirschler-Laszkiewicz, I., et al. J. Biol. Chem. 278(21):18953-18959(2003) Yuan, X., et al. EMBO Rep. 3(11):1082-1087(2002)