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TAF1A Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16145a

Specification

TAF1A Antibody (N-term) Blocking Peptide - Product Information

Primary 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.

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 requiresthe formation of a complex composed of the TATA-binding protein(TBP) and three TBP-associated factors (TAFs) specific for RNApolymerase I. This complex, known as SL1, binds to the corepromoter of ribosomal RNA genes to position the polymerase properlyand acts as a channel for regulatory signals. This gene encodes thesmallest SL1-specific TAF. Two transcripts encoding differentisoforms 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)