

UBTF Antibody (C-term) Blocking peptide

Synthetic peptide Catalog # BP12547b

Specification

UBTF Antibody (C-term) Blocking peptide - Product Information

Primary Accession

P17480

UBTF Antibody (C-term) Blocking peptide - Additional Information

Gene ID 7343

Other Names

Nucleolar transcription factor 1, Autoantigen NOR-90, Upstream-binding factor 1, UBF-1, UBFF, UBF, UBF1

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.

UBTF Antibody (C-term) Blocking peptide - Protein Information

Name UBTF

Synonyms UBF, UBF1

Function

Recognizes the ribosomal RNA gene promoter and activates transcription mediated by RNA polymerase I (Pol I) through cooperative interactions with the transcription factor SL1/TIF-IB complex. It binds specifically to the upstream control element and can activate Pol I promoter escape.

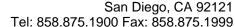
Cellular Location

Nucleus, nucleolus {ECO:0000250|UniProtKB:P25976}

UBTF Antibody (C-term) Blocking peptide - Protocols

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

• Blocking Peptides





UBTF Antibody (C-term) Blocking peptide - Images UBTF Antibody (C-term) Blocking peptide - Background

Upstream binding factor (UBF) is a transcription factorrequired for expression of the 18S, 5.8S, and 28S ribosomal RNAs, along with SL1 (a complex of TBP (MIM 600075) and multipleTBP-associated factors or 'TAFs'). Two UBF polypeptides, of 94 and 97 kD, exist in the human (Bell et al., 1988 [PubMed 3413483]). UBFis a nucleolar phosphoprotein with both DNA binding andtransactivation domains. Sequence-specific DNA binding to the coreand upstream control elements of the human rRNA promoter ismediated through several HMG boxes (Jantzen et al., 1990 [PubMed2330041]).

UBTF Antibody (C-term) Blocking peptide - References

Hisaoka, M., et al. Mol. Cell. Biol. 30(20):4952-4964(2010)Liu, Z., et al. Proteins 77(2):432-447(2009)Lin, C.I., et al. Biochem. Biophys. Res. Commun. 386(2):396-401(2009)Grob, A., et al. J. Cell. Sci. 122 (PT 4), 489-498 (2009) :He, J., et al. Folia Biol. (Praha) 54(6):202-206(2008)