

**UBTF Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12547b****Specification**

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**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, UBTF, 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 factor required for expression of the 18S, 5.8S, and 28S ribosomal RNAs, along with SL1 (a complex of TBP (MIM 600075) and multiple TBP-associated factors or 'TAFs'). Two UBF polypeptides, of 94 and 97 kD, exist in the human (Bell et al., 1988 [PubMed 3413483]). UBF is a nucleolar phosphoprotein with both DNA binding and transactivation domains. Sequence-specific DNA binding to the core and upstream control elements of the human rRNA promoter is mediated through several HMG boxes (Jantzen et al., 1990 [PubMed 2330041]).

**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)