

UBTF Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12547b**Specification**

UBTF Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P17480
Other Accession	NP_001070152.1 , NP_055048.1 , NP_001070151.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	89406
Antigen Region	631-660

UBTF Antibody (C-term) - Additional Information**Gene ID** 7343**Other Names**

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

Target/Specificity

This UBTF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 631-660 amino acids from the C-terminal region of human UBTF.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

UBTF Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UBTF Antibody (C-term) - 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.

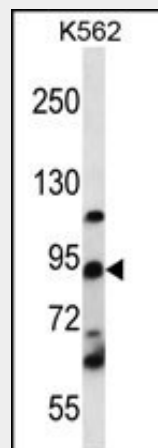
Cellular Location

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

UBTF Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UBTF Antibody (C-term) - Images

UBTF Antibody (C-term) (Cat. #AP12547b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the UBTF antibody detected the UBTF protein (arrow).

UBTF Antibody (C-term) - 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) - 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)