

UBTF Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant UBTF.****Catalog # AT4452a****Specification**

UBTF Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, IF, E
Primary Accession	P17480
Other Accession	NM_014233
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	89406

UBTF Antibody (monoclonal) (M01) - 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

UBTF (NP_055048, 551 a.a. ~ 650 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

DilutionWB~~1:500~1000
IHC~~1:100~500
IF~~1:50~200
E~~N/A**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

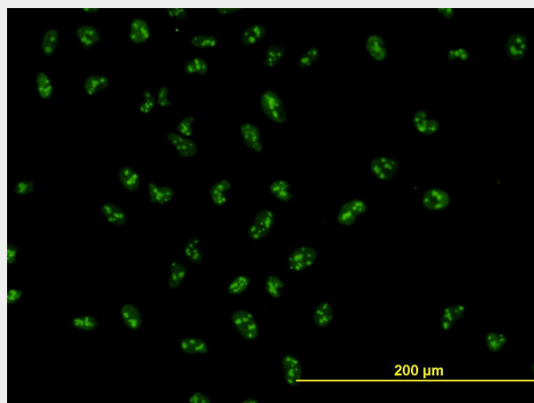
UBTF Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

UBTF Antibody (monoclonal) (M01) - Protocols

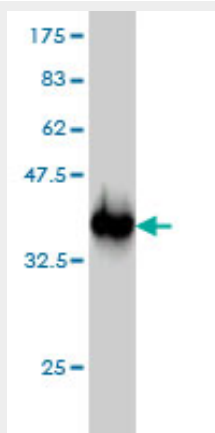
Provided below are standard protocols that you may find useful for product applications.

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

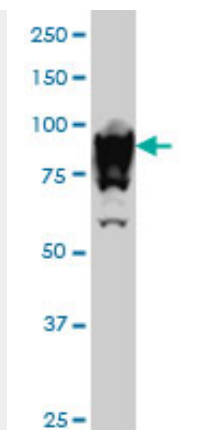
UBTF Antibody (monoclonal) (M01) - Images



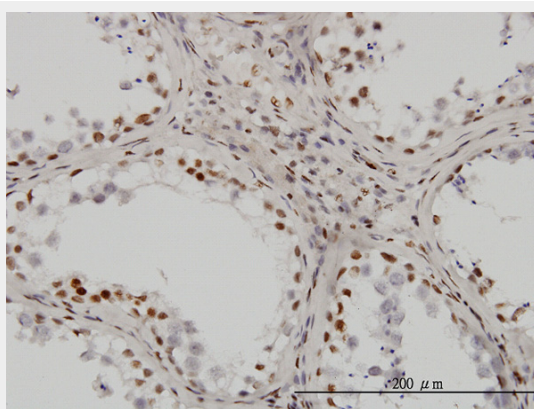
Immunofluorescence of monoclonal antibody to UBTF on HeLa cell. [antibody concentration 10 ug/ml]



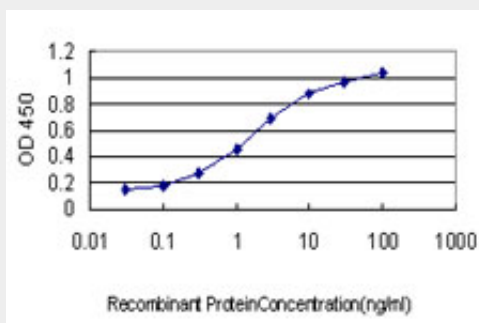
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



UBTF monoclonal antibody (M01), clone 6B6 Western Blot analysis of UBTF expression in HeLa S3 cells (Cat # AT4452a)



Immunoperoxidase of monoclonal antibody to UBTF on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 μg/ml]



Detection limit for recombinant GST tagged UBTF is approximately 0.03 ng/ml as a capture antibody.

UBTF Antibody (monoclonal) (M01) - 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 (monoclonal) (M01) - References

1.The maternal nucleolus plays a key role in centromere satellite maintenance during the oocyte to embryo transition.Fulka H, Langerova ADevelopment. 2014 Apr;141(8):1694-704. doi: 10.1242/dev.105940.2.Role of Ooplasm in Nuclear and Nucleolar Remodeling of Intergeneric Somatic Cell Nuclear Transfer Embryos during the First Cell Cycle.Ostrup O, Strejcek F, Petrovicova I, Lucas-Hahn A, Morovic M, Lemme E, Petersen B, Laurincikova N, Niemann H, Laurincik J, Hyttel P.Cell Reprogram. 2011 Apr;13(2):145-55.3.Nuclear and Nucleolar Reprogramming during the First Cell Cycle in Bovine Nuclear Transfer Embryos.Ostrup O, Petrovicova I, Strejcek F, Morovic M, Lucas-Hahn A, Lemme E, Petersen B, Niemann H, Laurincik J, Maddox-Hyttel P.Cloning Stem Cells. 2009 Sep;11(3):367-75.4.Nucleologenesis and embryonic genome activation are defective in interspecies cloned embryos between bovine ooplasm and rhesus monkey somatic cells.Song BS, Lee SH, Kim SU, Kim JS, Park JS, Kim CH, Chang KT, Han YM, Lee KK, Lee DS, Koo DB.BMC Dev Biol. 2009 Jul 28;9:44.