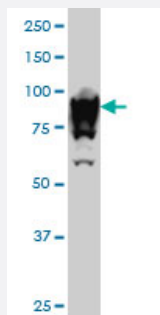


UBTF monoclonal antibody (M01), clone 6B6

Catalog # H00007343-M01

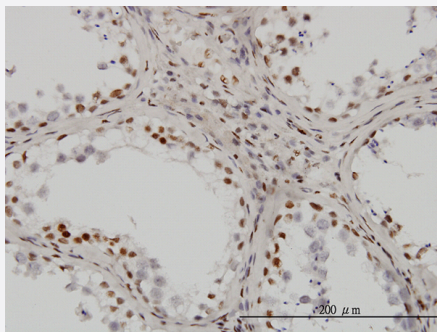
Size 100 ug

Applications



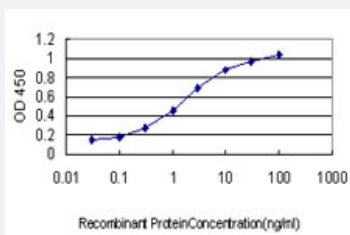
Western Blot (Cell lysate)

UBTF monoclonal antibody (M01), clone 6B6 Western Blot analysis of UBTF expression in HeLa S3 NE (Cat # L013V3).



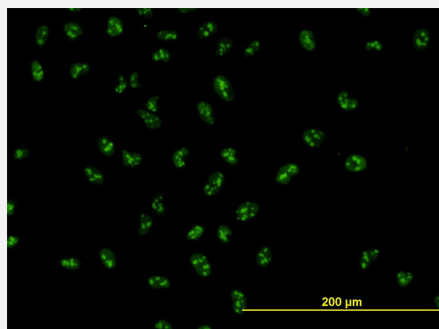
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



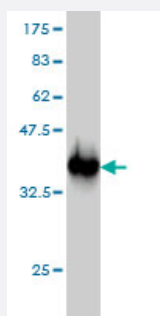
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant UBTF.
Immunogen	UBTF (NP_055048, 551 a.a. ~ 650 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPAATNSSKKMKFQGEPPKPPMNGYQKFSQELLSNGELNHLPLKERMVEIGSRWQRISQSQKEH YKKLAEEQQKQYKVHLDLWVKSLSPQDRAAYKEYIS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

UBTF monoclonal antibody (M01), clone 6B6 Western Blot analysis of UBTF expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — UBTF

Entrez GeneID	7343
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GeneBank Accession#	NM_014233
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Protein Accession#	NP_055048
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Gene Name	UBTF
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Gene Alias	NOR-90, UBF
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Gene Description	upstream binding transcription factor, RNA polymerase I
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Omim ID	600673
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Gene Ontology

[Hyperlink](#)

Gene Summary

Upstream binding factor (UBF) is a transcription factor required for expression of the 18S, 5.8S, and 28S ribosomal RNAs, along with SL 1 (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]).[supplied by OMIM]

Other Designations

-

Publication Reference

- [Molecular conflicts disrupting centromere maintenance contribute to Xenopus hybrid inviability.](#)

Maiko Kitaoka, Owen K Smith, Aaron F Straight, Rebecca Heald.

Current Biology : CB 2022 Sep; 32(18):3939.

Application: IF, Xenopus, Chromosome

- [Nucleolar Stress Functions Upstream to Stimulate Expression of Autophagy Regulators.](#)

David P Dannheisig, Anna Schimansky, Cornelia Donow, Astrid S Pfister.

Cancers 2021 Dec; 13(24):6220.

Application: WB-Tr, Human, HeLa cells

- [Superresolution microscopy reveals linkages between ribosomal DNA on heterologous chromosomes.](#)

Potapova TA, Unruh JR, Yu Z, Rancati G, Li H, Stampfer MR, Gerton JL.

The Journal of Cell Biology 2019 Aug; 218(8):2492.

Application: IF, WB-Tr, Human, Human hTERT CHON-002 cell line, RPE1 cells

- [The maternal nucleolus plays a key role in centromere satellite maintenance during the oocyte to embryo transition.](#)

Fulka H, Langerova A.

Development 2014 Apr; 141(8):1694.

Application: IF, WB-Ti, Mouse, Oocytes, Embryos

- [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; 13:145.

Application: IF, Pig, Bovine, Embryos

- [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 and Stem Cells 2009 Sep; 11(3):367.

Application: IF, Bovine, Bovine nuclear transfer embryos

- [Nucleogenesis 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 Developmental Biology 2009 Jul; 9:44.

Application: IF, Bovine, Monkey, Monkey-bovine MB-iSCNT embryos