Anti-UBTF Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R016016

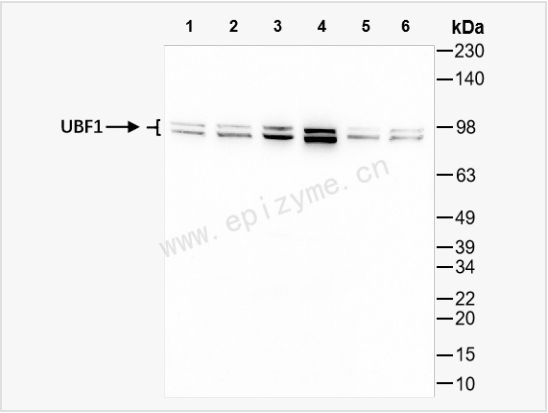
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	35E92A52
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human UBF1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-UBTF Rabbit mAb [35E92A52] is for research use only and not for use in diagnostic or therapeutic procedures.

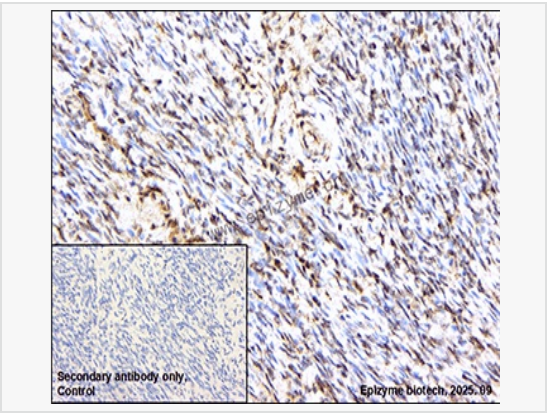
Protein Information

Synonyms	UBF; NOR 90; Nucleolar transcription factor 1; UBF 1; UBF-1; UBF; UBTF; Autoantigen NOR-90; Upstream-binding factor 1; Upstream binding factor 1; upstream binding transcription factor, RNA polymerase I; UBF1_HUMAN.
Calculated MW	Calculated MW: 89 kDa; Observed MW: 89-98 kDa
Uniprot ID	P17480
Gene ID	7343
Background	This gene encodes a member of the HMG-box DNA-binding protein family. The encoded protein plays a critical role in ribosomal RNA transcription as a key component of the pre-initiation complex, mediating the recruitment of RNA polymerase I to rDNA promoter regions. The encoded protein may also play important roles in chromatin remodeling and pre-rRNA processing, and its activity is regulated by both phosphorylation and acetylation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Pseudogenes of this gene are located on the short arm of chromosomes 3, 11 and X and the long arm of chromosome 11. [provided by RefSeq, Aug 2011]
Cellular Location	Nucleus Nucleolus

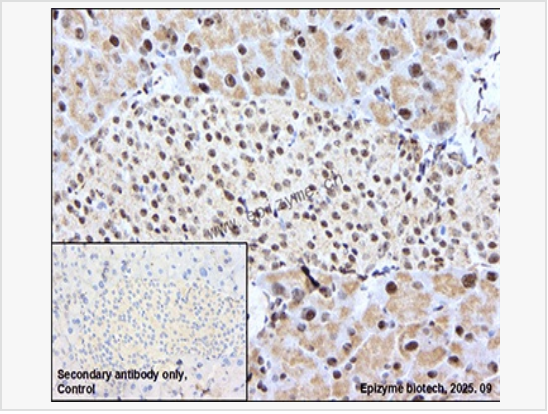
Validation Images



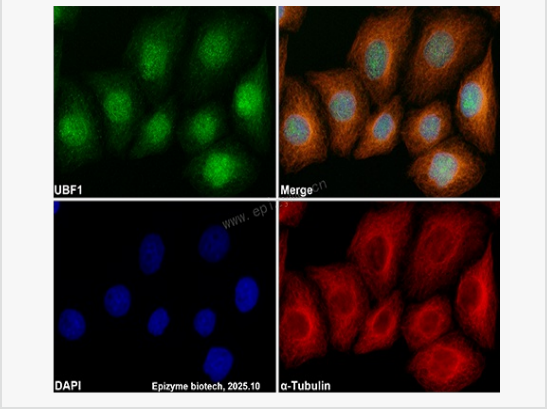
Western Blot - Anti-UBTF Rabbit mAb [35E92A52]
All lanes: R016016 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: 293T (Human embryonic kidney cell) whole cell lysates
Lane 4: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates
Lane 5: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 6: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 89 kDa
Observed band size: 89-98 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-UBTF Rabbit mAb [35E92A52]
Sample: Paraformaldehyde-fixed, paraffin embedded human endometrial carcinoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016016 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-UBTF Rabbit mAb [35E92A52]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse pancreas tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016016 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-UBTF Rabbit mAb [35E92A52]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R016016 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).