

Rabbit UBF1 Polyclonal Antibody | anti-UBF1 antibody

UBF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323812	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

UBF1; Polyclonal Antibody; UBF1 Antibody; 90 kDa nucleolus organizer region autoantigen; Autoantigen NOR-90; NOR 90; Nucleolar transcription factor 1; UBF 1; UBF; UBF-1; UBF1_HUMAN; Ubt1; Upstream binding factor 1; upstream binding transcription factor; RNA polymerase I; Upstream-binding factor 1; anti-UBF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	UBF1 antibody detects endogenous levels of total UBF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	727
Applicable Applications for anti-UBF1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus > Nucleolus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323812 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using UBF1 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA323812 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-UBF1 antibody	Function: Recognizes the ribosomal RNA gene promoter and activates transcription mediated by RNA polymerase I through cooperative interactions with the transcription factor SL1/TIF-IB complex. It binds specifically to the upstream control element. Subunit Structure: Homodimer (By similarity). Interacts with TBP (PubMed:7982918). Interacts with TAF1A (PubMed:7491500). Interacts with RASL11A (By similarity). Binds to IRS1 and PIK3CA (By similarity). Interacts with DHX33 (PubMed:21930779). Interacts with PHF6 (PubMed:23229552). Interacts with CEBPA (isoform 1 and isoform 4) (PubMed:20075868). Interacts with DDX11 (PubMed:26089203). Interacts with NOP53 (PubMed:27729611). Post-translational Modifications: Phosphorylated and activated by PIK3CA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115529451
NCBI GeneID	7343
NCBI Accession #	NP_001070151.1
NCBI GenBank Nucleotide #	NM_001076683.1
UniProt Accession #	P17480; A8K6R8
Molecular Weight	Observed: 90 kD Predicted: 90 kDa
NCBI Official Full Name	nucleolar transcription factor 1 isoform b
NCBI Official Synonym Full Names	upstream binding transcription factor
NCBI Official Symbol	UBTF
NCBI Official Synonym Symbols	UBF; UBF1; UBF2; UBF-1; CONDBA; NOR-90
NCBI Protein Information	nucleolar transcription factor 1
UniProt Protein Name	Nucleolar transcription factor 1
UniProt Gene Name	UBTF
UniProt Synonym Gene Names	UBF; UBF1; UBF-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.