SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-UBF1 antibody

Catalog Number: SL22564R

FOR RESEARCH USE ONLY

[DATASHEET]

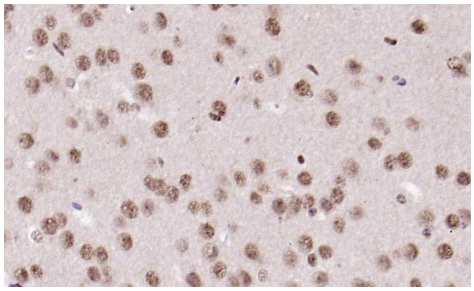
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	UBF1
Immunogen:	KLH conjugated synthetic peptide derived from human UBF1: 611-710/764
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Sheep)
Predicted MW.:	89kDa
Subcellular Location:	The nucleus
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] **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

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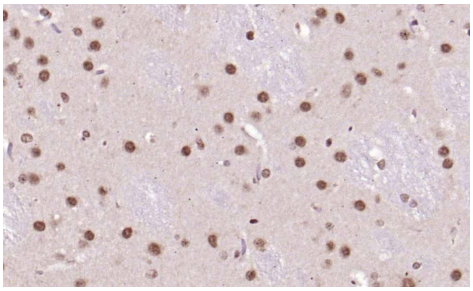
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	upstream control element. **Subcellular Location:** Nucleus **Post-translational modifications:** Phosphorylated and activated by PIK3CA. **Similarity:** Contains 6 HMG box DNA-binding domains. **Database links:** **Entrez Gene:** 7343 Human **Entrez Gene:** 21429 Mouse **Entrez Gene:** 25574 Rat Omim: 600673 Human **SwissProt:** P17480 Human **SwissProt:** P25976 Mouse **SwissProt:** P25977 Rat **Unigene:** 89781 Human **Unigene:** 2845 Mouse **Unigene:** 22469 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (UBF1) Polyclonal Antibody, Unconjugated (SL22564R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (UBF1) Polyclonal Antibody, Unconjugated (SL22564R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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