

UBF (phospho Ser484) Polyclonal Antibody

Catalog No :	YP0837
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	UBF-1
Gene Name :	UBTF
Protein Name :	Nucleolar transcription factor 1
Human Gene Id :	7343
Human Swiss Prot No :	P17480
Mouse Swiss Prot No :	P25976
Rat Gene Id :	25574
Rat Swiss Prot No :	P25977
Immunogen :	The antiserum was produced against synthesized peptide derived from human UBF around the phosphorylation site of Ser484. AA range:451-500
Specificity :	Phospho-UBF (S484) Polyclonal Antibody detects endogenous levels of UBF protein only when phosphorylated at S484.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 85kD

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 : function:Recognizes the ribosomal RNA gene promoter and activates transcription mediated by RNA polymerase I through cooperative interactions with the species-specific factor SL1. It binds specifically to the upstream control element.,PTM:Phosphorylated and activated by PIK3CA.,similarity:Contains 6 HMG box DNA-binding domains.,subunit:Homodimer. Binds to IRS1 and PIK3CA.,

Subcellular Location : Nucleus, nucleolus .

Expression : Lymph,Placenta,Testis,

Tag : orthogonal

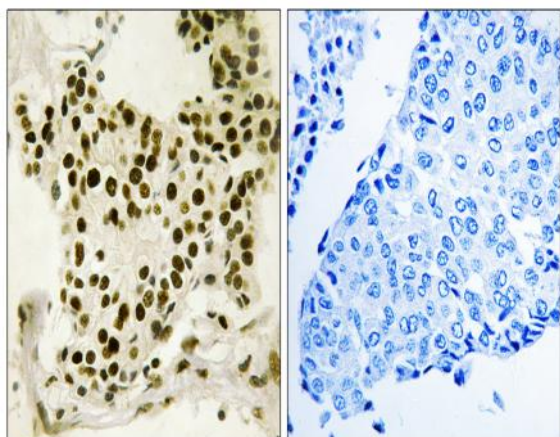
Sort : 23872

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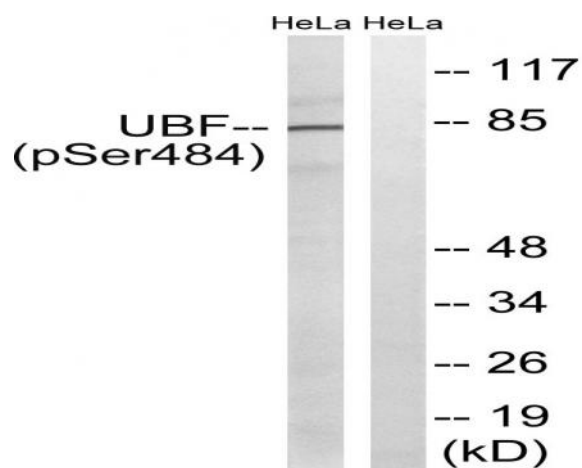
Host : Rabbit

Modifications : Phospho

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Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using UBF (Phospho-Ser484) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with calyculinA 50ng/ml 30', using UBF (Phospho-Ser484) Antibody. The lane on the right is blocked with the phospho peptide.