



# UBF (phospho Ser484) Monoclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYmab-01373                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                         |
| Applications       | WB                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Name          | UBTF                                                                                                                                                                                                                                                                                                                                                                                    |
| Protein Name       | Nucleolar transcription factor 1                                                                                                                                                                                                                                                                                                                                                        |
| 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) Monoclonal 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             | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                   |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                    |
| Dilution           | WB 1:500-2000                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                    |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                            |
| Synonyms           | UBTF; UBF; UBF1; Nucleolar transcription factor 1; Autoantigen NOR-90; Upstream-binding factor 1; UBF-1                                                                                                                                                                                                                                                                                 |
| Observed Band      | 85kD                                                                                                                                                                                                                                                                                                                                                                                    |
| Cell Pathway       | Nucleus, nucleolus .                                                                                                                                                                                                                                                                                                                                                                    |
| Tissue Specificity | Lymph,Placenta,Testis,                                                                                                                                                                                                                                                                                                                                                                  |
| 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., |
| 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                                                                                                                                                       |

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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],

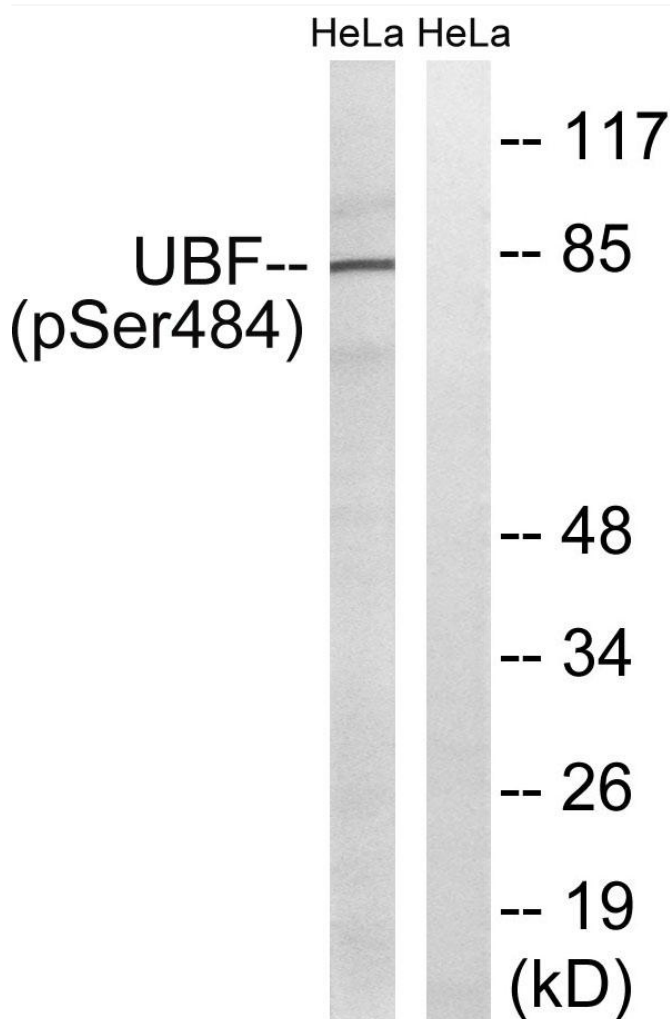
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using UBF (phospho Ser484) Monoclonal Antibody