



Ribosomal Protein L7 Monoclonal Antibody

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| Catalog No | YP-mAb-04151 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat;Cat |
| Applications | WB |
| Gene Name | RPL7 |
| Protein Name | 60S ribosomal protein L7 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human RPL7. AA range:199-248 |
| Specificity | Ribosomal Protein L7 Monoclonal Antibody detects endogenous levels of Ribosomal Protein L7 protein. |
| 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 1:500-1:2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | RPL7; 60S ribosomal protein L7 |
| Observed Band | 32kD |
| Cell Pathway | nucleus,nucleolus,cytoplasm,cytosol,ribosome,focal adhesion,membrane,cytosolic large ribosomal subunit,intracellular ribonucleoprotein complex,extracellular exosome, |
| Tissue Specificity | Bone marrow,Eye,Fibroblast,Hepatoma,Lung,Mammary gland,Muscle,Pancreas,Skin, |
| Function | function:Binds to G-rich structures in 28S rRNA and in mRNAs. Plays a regulatory role in the translation apparatus; inhibits cell-free translation of mRNAs.,similarity:Belongs to the ribosomal protein L30P family.,subunit:Homodimer., |
| Background | Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L30P family of ribosomal proteins. It contains an N-terminal basic region-leucine zipper (BZIP)-like domain and the RNP consensus submotif RNP2. In vitro the BZIP-like domain mediates homodimerization and stable binding to DNA and RNA, with a preference for 28S rRNA and mRNA. The protein can inhibit cell-free translation of mRNAs, suggesting that it plays a regulatory role in the |



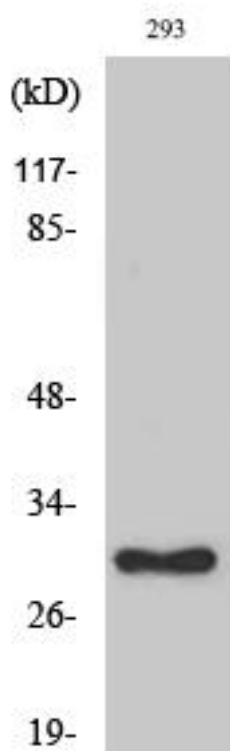
translation apparatus. It is located in the cytoplasm. The protein has been shown to be an autoantigen in patients with systemic autoimmune diseases, such as systemic lupus erythematosus. As is typical

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 Ribosomal Protein L7 Monoclonal Antibody