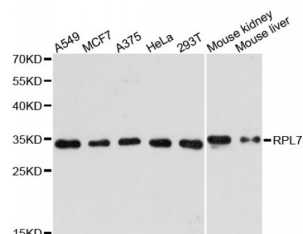


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## Ribosomal Protein L7 (RPL7) Antibody

Catalogue No.: abx004548



Western blot analysis of extracts of various cell lines, using RPL7 antibody (abx004548) at 1:3000 dilution.

RPL7 Antibody is a Rabbit Polyclonal antibody against RPL7. 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 for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

<b>Target:</b>	RPL7
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Tested Applications:</b>	WB
<b>Recommended dilutions:</b>	WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
<b>Immunogen:</b>	Recombinant protein of human RPL7.
<b>Purification:</b>	Affinity purified.
<b>Form:</b>	Liquid
<b>Isotype:</b>	IgG
<b>Conjugation:</b>	Unconjugated

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**Storage:** Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

**Molecular Weight:** Calculated MW: 29 kDa  
Observed MW: 29 kDa

**Swiss Prot:** [P18124](#)

**GeneID:** [6129](#)

**Gene Symbol:** RPL7

**Concentration:** > 1 mg/ml

**Buffer:** PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

**Note:** This product is for research use only.