

## Ribosomal Protein L7 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP07871
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human RPL7. AA range:199-248
<b>Mol wt</b>	29226
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Ribosomal Protein L7 Antibody
<b>Synonyms</b>	RPL7; 60S ribosomal protein L7

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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. RPL7 encodes a ribosomal protein that is a component of the 60S subunit. 60S ribosomal protein L7 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.

### Recommended Dilution

WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

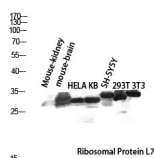
ELISA: 1: 10000

Not yet tested in other applications.

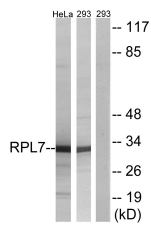
### Images



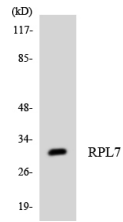
Western Blot analysis of various cells using Ribosomal Protein L7 Polyclonal Antibody diluted at 1:2000



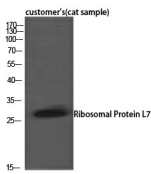
Western blot analysis of Mouse-kidney mouse-brain HELA KB SH-SY5Y 293T 3T3 lysis using Ribosomal Protein L7 antibody. Antibody was diluted at 1:2000



Western blot analysis of lysates from 293 and HeLa cells, using RPL7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using RPL7 antibody.



Western Blot analysis of customer's(cat sample) using Ribosomal Protein L7 Polyclonal Antibody. Antibody was diluted at 1:2000

### Storage

-20°C for one year

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