

# RPLP1 Rabbit Polyclonal Antibody



CAB6725

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

17kDa

### Calculated MW:

8kDa/11kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat,  
Zebrafish

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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 phosphoprotein that is a component of the 60S subunit. The protein, which is a functional equivalent of the E. coli L7/L12 ribosomal protein, belongs to the L12P family of ribosomal proteins. It plays an important role in the elongation step of protein synthesis. Unlike most ribosomal proteins, which are basic, the encoded protein is acidic. Its C-terminal end is nearly identical to the C-terminal ends of the ribosomal phosphoproteins P0 and P2. The P1 protein can interact with P0 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. Two alternatively spliced transcript variants that encode different proteins have been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

## Immunogen information

### Gene ID:

6176

### Uniprot

P05386

### Synonyms:

RPLP1; LP1; P1; RPP1

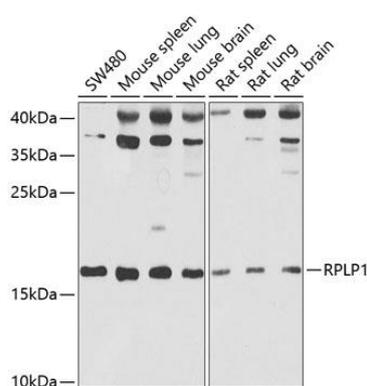
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-114 of human RPLP1 (NP\_000994.1).

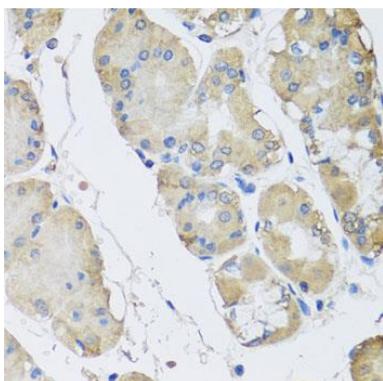
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

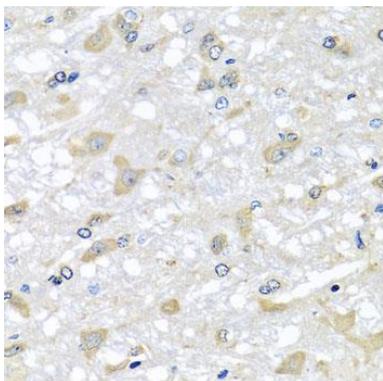
## Product Images



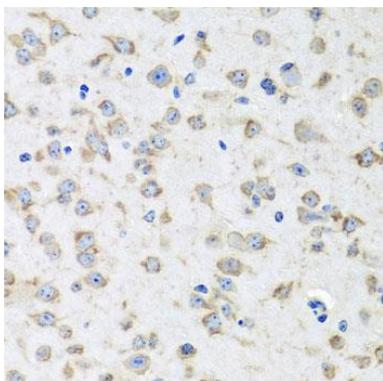
Western blot analysis of extracts of various cell lines, using RPLP1 antibody (CAB6725) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 60s.



Immunohistochemistry of paraffin-embedded human stomach using RPLP1 antibody (CAB6725) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using RPLP1 antibody (CAB6725) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using RPLP1 antibody (CAB6725) at dilution of 1:100 (40x lens).