

## Product datasheet for **TA338349**

### RPLP2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-RPLP2 antibody is: synthetic peptide directed towards the N-terminal region of Human RPLP2. Synthetic peptide located within the following region: MRYVASYLAAALGGNSSPSAKDIKKILDSVGIEADDDRLNKVISELNGKN
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	12 kDa
Gene Name:	ribosomal protein lateral stalk subunit P2
Database Link:	<a href="#">NP_000995</a> <a href="#">Entrez Gene 6181 Human</a> <a href="#">P05387</a>



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**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 P1. The P2 protein can interact with P0 and P1 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

**Synonyms:**

D11S2243E; LP2; P2; RPP2

**Note:**

Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Horse: 93%; Dog: 92%; Goat: 79%; Yeast: 79%; Zebrafish: 79%

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Ribosome

**Product images:**

WB Suggested Anti-RPLP2 Antibody; Titration: 1.0 ug/ml; Positive Control: OVCAR-3 Whole Cell  
RPLP2 is strongly supported by BioGPS gene expression data to be expressed in Human OVCAR3 cells