

A6974

Leader in Biomolecular Solutions for Life Science



RPLP2 Rabbit pAb

Catalog No.: A6974

Basic Information

Observed MW

Calculated MW
12kDa

Category
Polyclonal Antibody

Applications
IHC-P, IF/ICC, ELISA

Cross-Reactivity
Human

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.

Recommended Dilutions

IHC-P	1:100 - 1:500
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID	Swiss Prot
6181	P05387

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-115 of human RPLP2 (NP_000995.1).

Synonyms

P2; LP2; RPP2; D11S2243E; RPLP2

Contact



www.abclonal.com

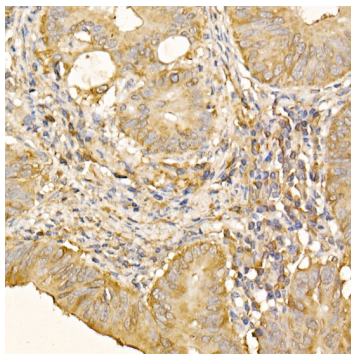
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

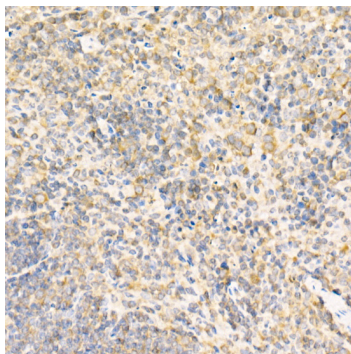
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

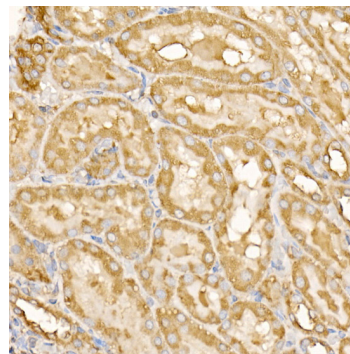
Validation Data



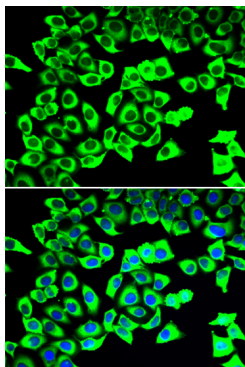
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using RPLP2 Rabbit pAb (A6974) at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse spleen using RPLP2 Rabbit pAb (A6974) at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat kidney using RPLP2 Rabbit pAb (A6974) at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of U2OS cells using RPLP2 antibody (A6974). Blue: DAPI for nuclear staining.