10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RPLP0 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16183a

Specification

RPLP0 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P05388
Other Accession	P19945, Q29214, P14869, Q9PV90, Q95140, Q8NHW5, NP_000993.1, NP_444505.1, G1SPK4
Reactivity	**Human**
Predicted	**Bovine, Zebrafish, Mouse, Pig, Rabbit, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**34274**
Antigen Region	**1-30**

RPLP0 Antibody (N-term) - Additional Information

Gene ID 6175

Other Names
60S acidic ribosomal protein P0, 60S ribosomal protein L10E, RPLP0

Target/Specificity
This RPLP0 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human RPLP0.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RPLP0 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RPLP0 Antibody (N-term) - Protein Information

Name RPLP0

Function Ribosomal protein P0 is the functional equivalent of E.coli protein L10.

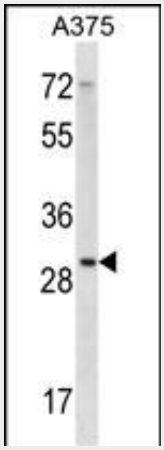
Cellular Location
Nucleus. Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs (PubMed:17289661, PubMed:19188445).

RPLP0 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RPLP0 Antibody (N-term) - Images



RPLP0 Antibody (N-term) (Cat. #AP16183a) western blot analysis in A375 cell line lysates (35ug/lane).This demonstrates the RPLP0 antibody detected the RPLP0 protein (arrow).

RPLP0 Antibody (N-term) - 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 protein that is a component of the 60S subunit. The protein, which is the functional equivalent of the E. coli L10 ribosomal protein, belongs to the L10P family of ribosomal proteins. It is a neutral phosphoprotein with a C-terminal end that is nearly identical to the C-terminal ends of the acidic ribosomal phosphoproteins P1 and P2. The P0 protein can interact with P1 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. Transcript variants derived from alternative splicing exist; they encode the same protein. As is typical for genes encoding ribosomal proteins, there are

multiple processed pseudogenes of this gene dispersed through the genome.

RPLP0 Antibody (N-term) - References

Vascotto, C., et al. Mol. Cell. Biol. 29(7):1834-1854(2009)
Rinne, T., et al. Hum. Mol. Genet. 17(13):1968-1977(2008)
Chang, T.W., et al. Oncogene 27(3):332-338(2008)
Rikova, K., et al. Cell 131(6):1190-1203(2007)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)