

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

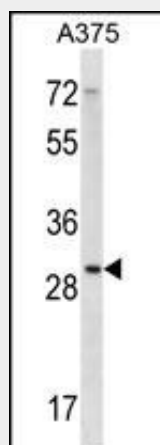
Nucleus. Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs (PubMed:17289661, PubMed:19188445).

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 Cytometry](#)
- [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)