

RPLP0 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16183a

Specification

RPLP0 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P05388](#)

RPLP0 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 6175

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RPLP0 Antibody (N-term) Blocking Peptide - 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:19188445, PubMed:17289661).

RPLP0 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RPLP0 Antibody (N-term) Blocking Peptide - Images

RPLP0 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)