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

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. Togetherthese subunits are composed of 4 RNA species and approximately 80structurally distinct proteins. This gene encodes a ribosomalprotein that is a component of the 60S subunit. The protein, whichis the functional equivalent of the E. coli L10 ribosomal protein,belongs to the L10P family of ribosomal proteins. It is a neutralphosphoprotein with a C-terminal end that is nearly identical tothe C-terminal ends of the acidic ribosomal phosphoproteins P1 andP2. The P0 protein can interact with P1 and P2 to form a pentamericcomplex consisting of P1 and P2 dimers, and a P0 monomer. Theprotein is located in the cytoplasm. Transcript variants derivedfrom alternative splicing exist; they encode the same protein. Asis typical for genes encoding ribosomal proteins, there aremultiple processed pseudogenes of this gene dispersed through thegenome.

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)