10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

RPL10 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP19053a

Specification

RPL10 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P27635

RPL10 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 6134

Other Names
60S ribosomal protein L10, Laminin receptor homolog, Protein QM, Tumor suppressor QM, RPL10, DXS648E, QM

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.

RPL10 Antibody (N-term) Blocking Peptide - Protein Information

Name RPL10 (HGNC:10298)

Synonyms DXS648E, QM

Function
Component of the large ribosomal subunit (PubMed:26290468). Plays a role in the formation of actively translating ribosomes (PubMed:<a href="http://www.uniprot.org/citations/26290468"

RPL10 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 belongsto the L10E family of ribosomal proteins. It is located in thecytoplasm. In vitro studies have shown that the chicken protein canbind to c-Jun and can repress c-Jun-mediated transcriptionalactivation, but these activities have not been demonstrated invivo. This gene was initially identified as a candidate for a Wilmstumor suppressor gene, but later studies determined that this geneis not involved in the suppression of Wilms tumor. This gene hasbeen referred to as 'laminin receptor homolog' because a chimerictranscript consisting of sequence from this gene and sequence fromthe laminin receptor gene was isolated; however, it is not believedthat this gene encodes a laminin receptor. Transcript variantsutilizing alternative polyA signals exist. The variant with thelongest 3' UTR overlaps the deoxyribonuclease I-like 1 gene on theopposite strand. This gene is co-transcribed with the smallnucleolar RNA gene U70, which is located in its fifth intron. As istypical for genes encoding ribosomal proteins, there are multipleprocessed pseudogenes of this gene dispersed through the genome.

RPL10 Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Gong, X., et al. BMC Med. Genet. 10, 7 (2009) :Nishimura, M., et al. J. Mol. Biol. 377(2):421-430(2008)Farmer, A.A., et al. Nucleic Acids Res. 24(11):2158-2165(1996)

target="_blank">26290468). May play a role in the embryonic brain development (PubMed:25316788).

RPL10 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides