

**RPL18 Antibody (N-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP17491a**Specification**

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**RPL18 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q07020](#)**RPL18 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 6141

**Other Names**

60S ribosomal protein L18, RPL18

**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.

**RPL18 Antibody (N-term) Blocking Peptide - Protein Information**

Name RPL18

**Function**

Component of the large ribosomal subunit (PubMed: <a href="http://www.uniprot.org/citations/12962325" target="\_blank">12962325</a>, PubMed: <a href="http://www.uniprot.org/citations/23636399" target="\_blank">23636399</a>, PubMed: <a href="http://www.uniprot.org/citations/25901680" target="\_blank">25901680</a>, PubMed: <a href="http://www.uniprot.org/citations/25957688" target="\_blank">25957688</a>, PubMed: <a href="http://www.uniprot.org/citations/32669547" target="\_blank">32669547</a>). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed: <a href="http://www.uniprot.org/citations/12962325" target="\_blank">12962325</a>, PubMed: <a href="http://www.uniprot.org/citations/23636399" target="\_blank">23636399</a>, PubMed: <a href="http://www.uniprot.org/citations/25901680" target="\_blank">25901680</a>, PubMed: <a href="http://www.uniprot.org/citations/25957688" target="\_blank">25957688</a>, PubMed: <a href="http://www.uniprot.org/citations/32669547" target="\_blank">32669547</a>).

**Cellular Location**

Cytoplasm, cytosol. Cytoplasm Rough endoplasmic reticulum {ECO:0000250|UniProtKB:Q95342} Note=Detected on cytosolic polysomes (PubMed:25957688). Detected in ribosomes that are associated with the rough endoplasmic reticulum (By similarity). {ECO:0000250|UniProtKB:Q95342, ECO:0000269|PubMed:25957688}

## **RPL18 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **RPL18 Antibody (N-term) Blocking Peptide - Images**

## **RPL18 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 belongs to the L18E family of ribosomal proteins. It is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

## **RPL18 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) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006) Kullberg, M., et al. Mol. Biol. Evol. 23(8):1493-1503(2006)