

RPL34 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP13207c**Specification**

RPL34 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P49207](#)**RPL34 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6164**Other Names**

60S ribosomal protein L34, RPL34

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13207c was selected from the Center region of RPL34. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

RPL34 Antibody (Center) Blocking Peptide - Protein Information**Name** RPL34**Function**

Component of the large ribosomal subunit (PubMed: [12962325](http://www.uniprot.org/citations/12962325), PubMed: [23636399](http://www.uniprot.org/citations/23636399), PubMed: [25957688](http://www.uniprot.org/citations/25957688), PubMed: [25901680](http://www.uniprot.org/citations/25901680), PubMed: [32669547](http://www.uniprot.org/citations/32669547)). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed: [12962325](http://www.uniprot.org/citations/12962325), PubMed: [23636399](http://www.uniprot.org/citations/23636399), PubMed: [25957688](http://www.uniprot.org/citations/25957688), PubMed: [25901680](http://www.uniprot.org/citations/25901680), PubMed: [32669547](http://www.uniprot.org/citations/32669547)).

Cellular Location

Cytoplasm, cytosol. Cytoplasm Endoplasmic reticulum {ECO:0000250|UniProtKB:Q29223}.
Note=Detected on cytosolic polysomes (PubMed:25957688). Detected in ribosomes that are associated with the rough endoplasmic reticulum (By similarity) {ECO:0000250|UniProtKB:Q29223, ECO:0000269|PubMed:25957688}

RPL34 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RPL34 Antibody (Center) Blocking Peptide - Images**RPL34 Antibody (Center) 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 L34E family of ribosomal proteins. It is located in the cytoplasm. This gene originally was thought to be located at 17q21, but it has been mapped to 4q. Transcript variants derived from alternative splicing, alternative transcription initiation sites, and/or alternative polyadenylation exist; these variants encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed throughout the genome.

RPL34 Antibody (Center) Blocking Peptide - References

Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Andersen, J.S., et al. Nature 433(7021):77-83(2005) Kapp, L.D., et al. Annu. Rev. Biochem. 73, 657-704 (2004) :Mazumder, B., et al. Cell 115(2):187-198(2003)