

RPL27 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP13126b**Specification**

RPL27 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P61353](#)**RPL27 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6155**Other Names**

60S ribosomal protein L27, RPL27

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13126b was selected from the C-term region of RPL27. 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.

RPL27 Antibody (C-term) Blocking Peptide - Protein Information**Name** RPL27**Function**

Component of the large ribosomal subunit (PubMed:12962325, PubMed:23636399, PubMed:25957688, PubMed:25901680, PubMed:32669547). Required for proper rRNA processing and maturation of 28S and 5.8S rRNAs (PubMed:25424902).

Cellular Location

Cytoplasm, cytosol. Cytoplasm Rough endoplasmic reticulum {ECO:0000250|UniProtKB:A1XQU5} Note=Detected on cytosolic polysomes (PubMed:25957688). Detected in ribosomes that are associated with the rough endoplasmic reticulum (By similarity).

{ECO:0000250|UniProtKB:A1XQU5, ECO:0000269|PubMed:25957688}

RPL27 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RPL27 Antibody (C-term) Blocking Peptide - Images

RPL27 Antibody (C-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 L27E 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.

RPL27 Antibody (C-term) Blocking Peptide - References

Maggi, L.B. Jr., et al. Mol. Cell. Biol. 28(23):7050-7065(2008) 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) Yoshihama, M., et al. Genome Res. 12(3):379-390(2002)