

RPL3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13400c**Specification**

RPL3 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P39023](#)**RPL3 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 6122**Other Names**

60S ribosomal protein L3, HIV-1 TAR RNA-binding protein B, TARBP-B, RPL3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13400c was selected from the Center region of RPL3. 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.

RPL3 Antibody (Center) Blocking peptide - Protein Information**Name** RPL3**Function**

Component of the large ribosomal subunit (PubMed: [12962325](http://www.uniprot.org/citations/12962325), PubMed: [23636399](http://www.uniprot.org/citations/23636399), PubMed: [32669547](http://www.uniprot.org/citations/32669547), PubMed: [35674491](http://www.uniprot.org/citations/35674491)). 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: [32669547](http://www.uniprot.org/citations/32669547)).

Cellular Location

Nucleus, nucleolus. Cytoplasm

RPL3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RPL3 Antibody (Center) Blocking peptide - Images

RPL3 Antibody (Center) Blocking peptide - Background

Ribosomes, the complexes 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 L3P family of ribosomal proteins and it is located in the cytoplasm. The protein can bind to the HIV-1 TAR mRNA, and it has been suggested that the protein contributes to tat-mediated transactivation. This gene is co-transcribed with several small nucleolar RNA genes, which are located in several of this gene's introns. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq].

RPL3 Antibody (Center) Blocking peptide - References

Russo, A., et al. Biochim. Biophys. Acta 1799 (5-6), 419-428 (2010) :Rikova, K., et al. Cell 131(6):1190-1203(2007) Tu, L.C., et al. Mol. Cell Proteomics 6(4):575-588(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Bergqvist, M., et al. Dis. Esophagus 19(1):20-23(2006)