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RPL10L Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP17603a

Specification

RPL10L Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q96L21

RPL10L Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 140801

Other Names
60S ribosomal protein L10-like, RPL10L

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.

RPL10L Antibody (N-term) Blocking Peptide - Protein Information

Name RPL10L {ECO:0000303|PubMed:12490704, ECO:0000312|HGNC:HGNC:17976}

Function
Testis-specific component of the ribosome, which is required for the transition from prophase to metaphase in male meiosis I (By similarity). Compensates for the inactivated X-linked RPL10 paralog during spermatogenesis (PubMed:12490704). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399, PubMed:25901680, PubMed:32669547). The male germ cell-specific ribosome displays a ribosomal polypeptide exit tunnel of distinct size and charge states compared with the classical ribosome (By similarity). It is responsible for regulating the biosynthesis and folding of a subset of male germ-cell-specific proteins that are essential for the formation of sperm (By similarity).

Cellular Location
Cytoplasm

Tissue Location
Almost testis-specific (PubMed:12490704, PubMed:19333399, PubMed:28502657). Also expressed

in pre- and postmenopausal ovary (PubMed:19333399).

RPL10L Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RPL10L Antibody (N-term) Blocking Peptide - Images

RPL10L Antibody (N-term) Blocking Peptide - Background

This gene encodes a protein sharing sequence similaritywith ribosomal protein L10. It is not currently known whether theencoded protein is a functional ribosomal protein or whether it hasevolved a function that is independent of the ribosome. This geneis intronless.

RPL10L Antibody (N-term) Blocking Peptide - References

Balasubramanian, S., et al. Genome Biol. 10 (1), R2 (2009) :Uechi, T., et al. Nucleic Acids Res. 30(24):5369-5375(2002)Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)