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RCL1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1949a

Specification

RCL1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9Y2P8

RCL1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 10171

Other Names
RNA 3'-terminal phosphate cyclase-like protein, RCL1, RNAC, RPC2, RPCL1, RTC2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1949a was selected from the N-term region of human RCL1. 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.

RCL1 Antibody (N-term) Blocking Peptide - Protein Information

Name RCL1 (HGNC:17687)

Synonyms RNAC, RPC2, RPCL1, RTC2

Function
Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre- rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre- ribosomal RNA by the RNA exosome (PubMed:34516797). Does not have cyclase activity (By similarity).

Cellular Location
Nucleus, nucleolus.

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RCL1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RCL1 Antibody (N-term) Blocking Peptide - Images

RCL1 Antibody (N-term) Blocking Peptide - Background

RCL1, which does not have cyclase activity, plays a role in 40S- ribosomal-subunit biogenesis in the early pre-rRNA processing steps at sites A0, A1 and A2 that are required for proper maturation of the 18S RNA.

RCL1 Antibody (N-term) Blocking Peptide - References

Billy, E., et al., EMBO J. 19(9):2115-2126 (2000). Genschik P., et al., EMBO J. 16(10):2955-67 (1997).