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RCL1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1949a

Specification

RCL1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y2P8
Other Accession	Q2KHX8
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**40843**
Antigen Region	**14-43**

RCL1 Antibody (N-term) - Additional Information

Gene ID 10171

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

Target/Specificity
This RCL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-43 amino acids from the N-terminal region of human RCL1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RCL1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RCL1 Antibody (N-term) - 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).

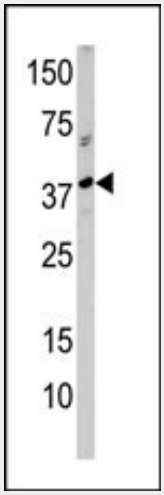
Cellular Location
Nucleus, nucleolus.

RCL1 Antibody (N-term) - Protocols

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

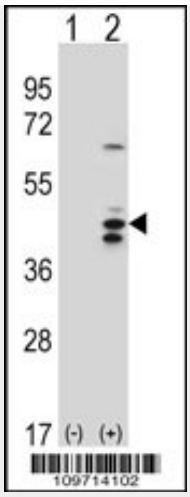
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RCL1 Antibody (N-term) - Images



Western blot analysis of anti-RCL1 Pab (Cat. #AP1949a) in A375 cell line lysate (35ug/lane). RCL1(arrow) was detected using the purified Pab.

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Western blot analysis of RCL1 (arrow) using rabbit polyclonal RCL1 Antibody (Cat. #AP1949a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the RCL1 gene.

RCL1 Antibody (N-term) - 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) - References

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