

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

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**RCL1 Antibody (N-term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB,E                   |
| Primary Accession | <a href="#">Q9Y2P8</a> |
| Other Accession   | <a href="#">Q2KHX8</a> |
| 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

E~~Use at an assay dependent concentration.

**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** As part of the small subunit (SSU) processome, it 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 (By similarity). Activates BMS1 by promoting GDP/GTP exchange (By similarity). Does not have cyclase activity (By similarity).

**Cellular Location**

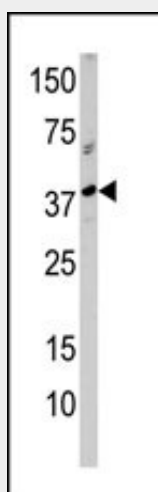
Nucleus, nucleolus

**RCL1 Antibody (N-term) - Protocols**

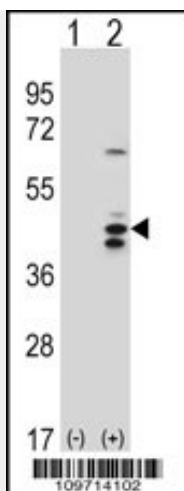
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.



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).