

**RPL27A Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10937b****Specification**

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**RPL27A Antibody (C-term) - Product Information**

Application	FC, IHC-P, WB,E
Primary Accession	<a href="#">P46776</a>
Other Accession	<a href="#">P18445</a> , <a href="#">P14115</a> , <a href="#">Q4R723</a> , <a href="#">Q56K03</a> , <a href="#">NP_000981.1</a> , <a href="#">G1SNY0</a>
Reactivity	Human, Hamster
Predicted	Bovine, Monkey, Mouse, Rabbit, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	16561
Antigen Region	110-138

**RPL27A Antibody (C-term) - Additional Information****Gene ID** 6157**Other Names**

60S ribosomal protein L27a, RPL27A

**Target/Specificity**

This RPL27A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 110-138 amino acids from the C-terminal region of human RPL27A.

**Dilution**

FC~~1:10~50

IHC-P~~1:50~100

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 purified through a protein A column, followed by peptide affinity purification.

**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**

RPL27A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**RPL27A Antibody (C-term) - Protein Information**

**Name** RPL27A

**Function** Component of the large ribosomal subunit (PubMed:[23636399](#), PubMed:[32669547](#)). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:[23636399](#), PubMed:[32669547](#)).

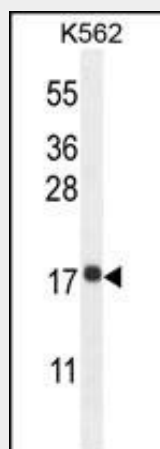
**Cellular Location**

Cytoplasm.

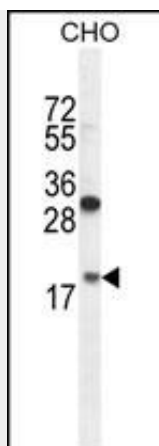
**RPL27A Antibody (C-term) - Protocols**

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

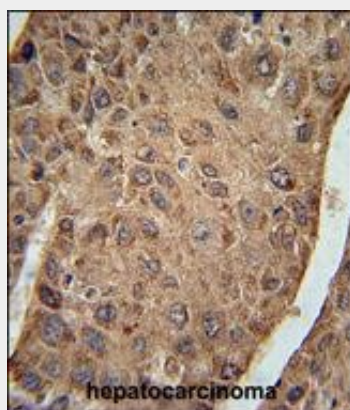
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RPL27A Antibody (C-term) - Images**

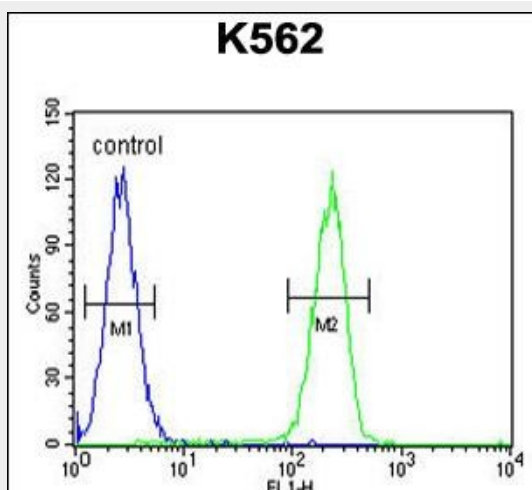
RPL27A Antibody (C-term) (Cat. #AP10937b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the RPL27A antibody detected the RPL27A protein (arrow).



RPL27A Antibody (C-term) (Cat. #AP10937b) western blot analysis in CHO cell line lysates (35ug/lane). This demonstrates the RPL27A antibody detected the RPL27A protein (arrow).



RPL27A Antibody (C-term) (Cat. #AP10937b) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RPL27A Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



RPL27A Antibody (C-term) (Cat. #AP10937b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### RPL27A Antibody (C-term) - Background

Ribosomes, the organelles 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 L15P family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, multiple processed pseudogenes derived from this gene are dispersed through the genome.

#### **RPL27A Antibody (C-term) - References**

Kapp, L.D., et al. Annu. Rev. Biochem. 73, 657-704 (2004) :  
Mazumder, B., et al. Cell 115(2):187-198(2003)  
Andersen, J.S., et al. Curr. Biol. 12(1):1-11(2002)  
Bortoluzzi, S., et al. Bioinformatics 17(12):1152-1157(2001)  
Kusuda, J., et al. Cytogenet. Cell Genet. 85 (3-4), 248-251 (1999) :

#### **RPL27A Antibody (C-term) - Citations**

- [RPL27A is a target of miR-595 and may contribute to the myelodysplastic phenotype through ribosomal dysgenesis.](#)