

**RPL31 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9532c****Specification**

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**RPL31 Antibody (Center) - Product Information**

Application	FC, IHC-P, WB,E
Primary Accession	<a href="#">P62899</a>
Other Accession	<a href="#">Q6NUH0</a> , <a href="#">P62902</a> , <a href="#">P62901</a> , <a href="#">P62900</a> , <a href="#">Q56JX3</a> , <a href="#">NP_001092047</a> , <a href="#">G1SHG0</a>
Reactivity	Human
Predicted	Bovine, Mouse, Pig, Rabbit, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14463
Antigen Region	24-51

**RPL31 Antibody (Center) - Additional Information****Gene ID** 6160**Other Names**

60S ribosomal protein L31, RPL31

**Target/Specificity**

This RPL31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-51 amino acids from the Central region of human RPL31.

**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**

RPL31 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**RPL31 Antibody (Center) - Protein Information**

**Name** RPL31

**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](#)).

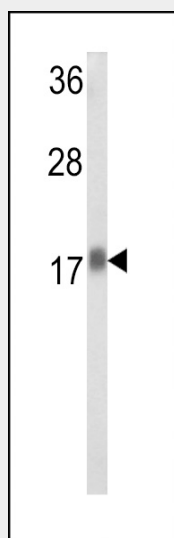
**Cellular Location**

Cytoplasm.

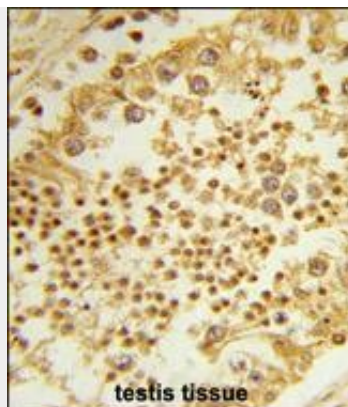
**RPL31 Antibody (Center) - Protocols**

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

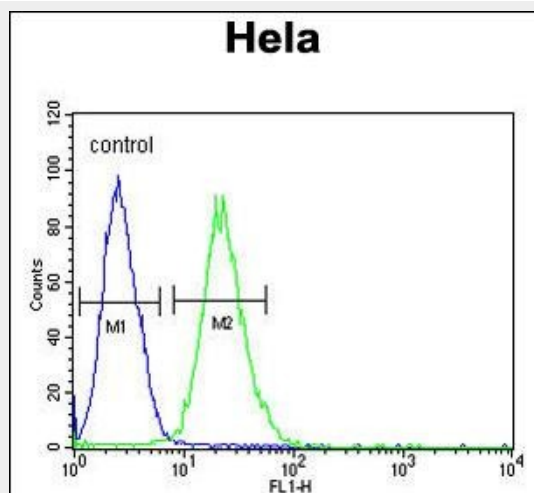
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RPL31 Antibody (Center) - Images**

Western blot analysis of RPL31 Antibody (Center) (Cat. #AP9532c) in HeLa cell line lysates (35ug/lane). RPL31 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human testis tissue reacted with RPL31 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



RPL31 Antibody (Center) (Cat. #AP9532c) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### RPL31 Antibody (Center) - 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. RPL31 is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L31E family of ribosomal proteins. It is located in the cytoplasm.

### RPL31 Antibody (Center) - References

- Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
- Olsen, J.V., et al. Cell 127(3):635-648(2006)
- Olsen, J.V., et al. Cell 127(3):635-648(2006)
- Hillier, L.W., et al. Nature 434(7034):724-731(2005)
- Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)
- Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)