

RPL31 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9532c

Specification

RPL31 Antibody (Center) - Product Information

Application FC, IHC-P, WB,E

Primary Accession P62899

Other Accession <u>Q6NUH0</u>, <u>P62902</u>, <u>P62901</u>, <u>P62900</u>, <u>Q56IX3</u>,

NP 001092047, G1SHG0

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: <u>23636399</u>, PubMed: <u>32669547</u>). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed: <u>23636399</u>, PubMed: <u>32669547</u>).

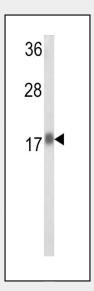
Cellular Location Cytoplasm.

RPL31 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

RPL31 Antibody (Center) - Images

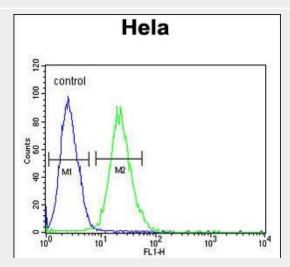


Western blot analysis of RPL31 Antibody (Center) (Cat. #AP9532c) in Hela cell line lysates (35ug/lane).RPL31 (arrow) was detected using the purified Pab.





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)

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Hillier, L.W., et al. Nature 434(7034):724-731(2005)

Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)

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