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RPL23A Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1939c

Specification

RPL23A Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P62750
Other Accession	P62752, P62751, Q24JY1, G1SE76
Reactivity	**Human, Mouse**
Predicted	**Bovine, Rabbit, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**17695**
Antigen Region	**44-73**

RPL23A Antibody (Center) - Additional Information

Gene ID 6147

Other Names
60S ribosomal protein L23a, RPL23A

Target/Specificity
This RPL23A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 44-73 amino acids from the Central region of human RPL23A.

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
RPL23A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RPL23A Antibody (Center) - Protein Information

Name RPL23A

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). Binds a specific region on the 26S rRNA (PubMed:23636399, PubMed:32669547). May promote p53/TP53 degradation possibly through the stimulation of MDM2-mediated TP53 polyubiquitination (PubMed:26203195).

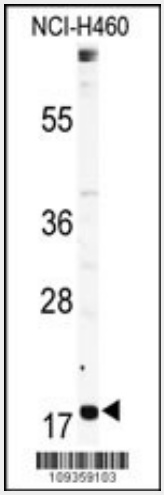
Cellular Location
Cytoplasm. Nucleus Note=Although RPL23A is functional within the cytoplasm, the assembly of ribosomal subunits occurs in the nucleus. RPL23A nuclear import is mediated by IPO5/RanBP5, IPO7/RanBP7, KPNB1/importin-beta or TPNO1/Trn

RPL23A 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 Cytomety
- Cell Culture

RPL23A Antibody (Center) - Images



Western blot analysis of anti-RPL23A Antibody (Center)(Cat.#AP1939c) in NCI-H460 cell line lysates (35ug/lane). RPL23A(arrow) was detected using the purified Pab.

RPL23A 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. RPL23A is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L23P family of ribosomal proteins. It is located in the cytoplasm. The protein may be one of the target molecules involved in mediating growth inhibition by interferon. In yeast, the corresponding protein binds to a specific site on the 26S rRNA. This gene is co-transcribed with the U42A, U42B, U101A, and U101B small nucleolar RNA genes, which are located in its third, first, second, and fourth introns, respectively.

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Fan, W., et al., Genomics 46(2):234-239 (1997).
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