

RPL18A Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2296a

Specification

RPL18A Antibody - Product Information

Application	E, WB, IF, FC, IHC
Primary Accession	Q02543
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	20.8kDa KDa

Description

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 member of the L18AE family of ribosomal proteins that is a component of the 60S subunit. The encoded protein may play a role in viral replication by interacting with the hepatitis C virus internal ribosome entry site (IRES). This gene is co-transcribed with the U68 snoRNA, located within the third intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed throughout the genome.

Immunogen

Purified recombinant fragment of human RPL18A (AA: 50-176) expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

RPL18A Antibody - Additional Information

Gene ID 6142

Other Names

60S ribosomal protein L18a, RPL18A

Dilution

E~~1/10000
WB~~1/500 - 1/2000
IF~~1/200 - 1/1000
FC~~1/200 - 1/400
IHC~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RPL18A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RPL18A Antibody - Protein Information

Name RPL18A

Function

Component of the large ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell.

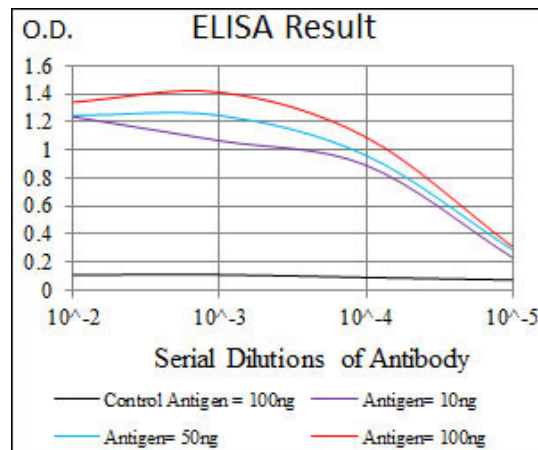
Cellular Location

Cytoplasm.

RPL18A Antibody - 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](#)



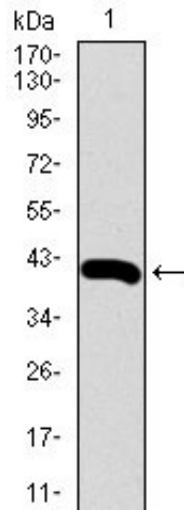


Figure 1: Western blot analysis using RPL18A mAb against human RPL18A recombinant protein. (Expected MW is 40.5 kDa)

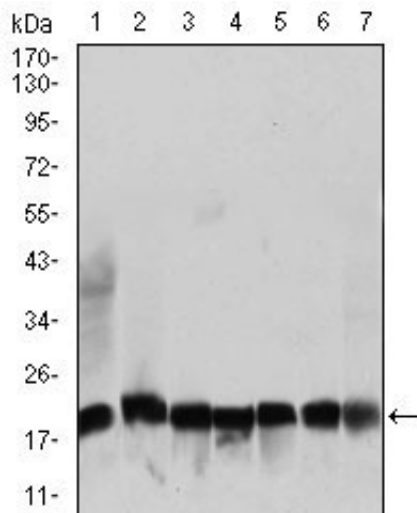


Figure 2: Western blot analysis using RPL18A mouse mAb against NIH3T3 (1), HEK293 (2), HL60 (3), Jurka (4), Raji (5), MOLT4 (6), and HeLa (7) cell lysate.

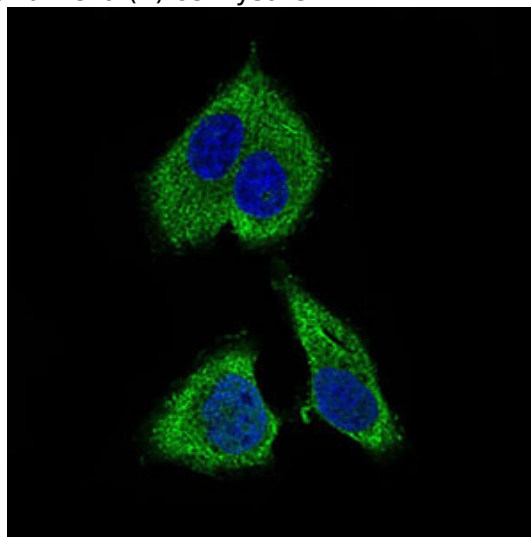


Figure 3: Immunofluorescence analysis of HepG2 cells using RPL18A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

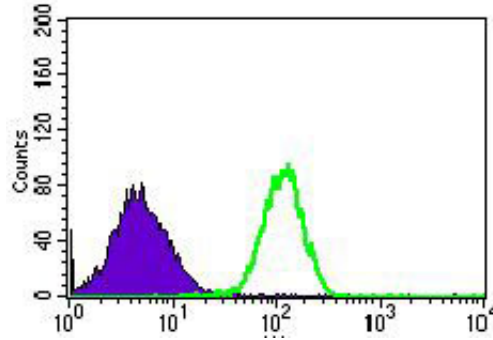


Figure 4: Flow cytometric analysis of HEK293 cells using RPL18A mouse mAb (green) and negative control (purple).

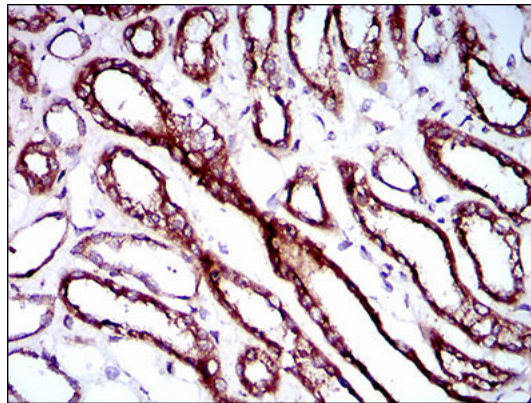


Figure 5: Immunohistochemical analysis of paraffin-embedded kidney tissues using RPL18A mouse mAb with DAB staining.

RPL18A Antibody - References

1. Arch Virol. 2006 Mar;151(3):509-24.
2. J Protein Chem. 2003 Apr;22(3):249-58.