10320 Camino Santa Fe, Suite G
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RPL18A Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2296a

Specification

RPL18A Antibody - Product Information

Application	**WB, IHC, FC, ICC, E**
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
WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
FC~~1/200 - 1/400
ICC~~N/A
E~~1/10000

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.

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RPL18A Antibody - Protein Information

Name RPL18A

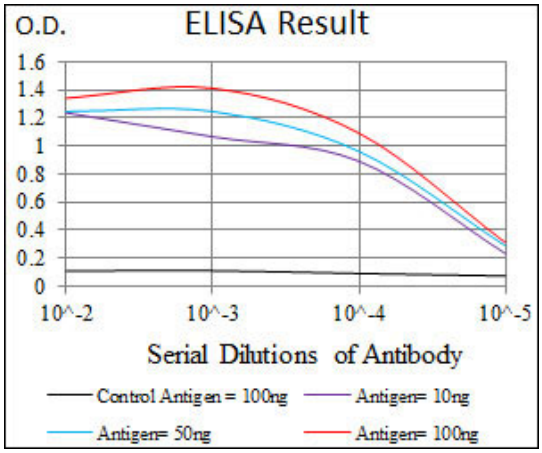
Function
Component of the large ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell.

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 Cytomety
- Cell Culture



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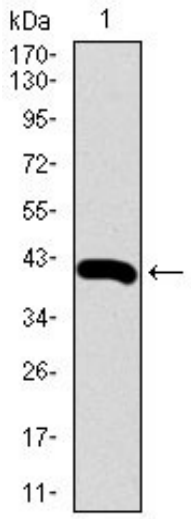

Figure 1: Western blot analysis using RPL18A mAb against human RPL18A recombinant protein. (Expected MW is 40.5 kDa)

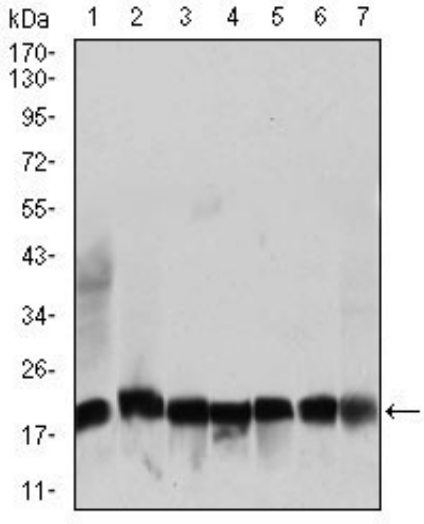

Figure 2: Western blot analysis using RPL18A mouse mAb against NIH3T3 (1), HEK293 (2), HL60 (3), Jurka (4), Raji (5), MOLT4 (6), and HeLa (7) cell lysate.

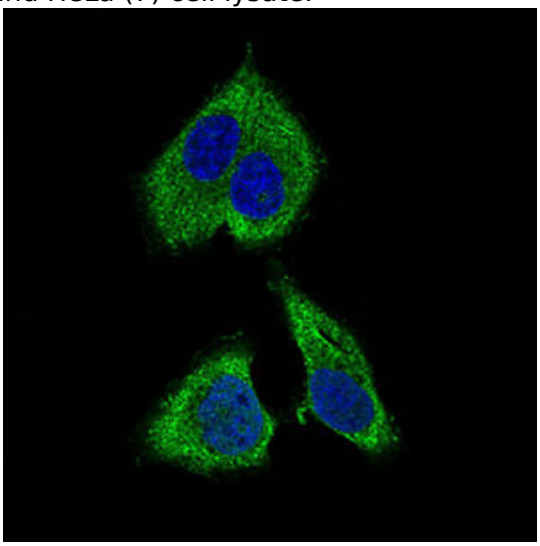

Figure 3: Immunofluorescence analysis of HepG2 cells using RPL18A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

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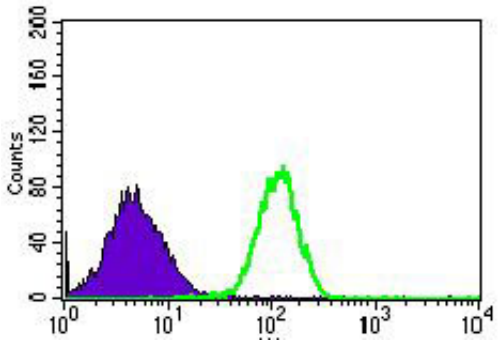

Figure 4: Flow cytometric analysis of HEK293 cells using RPL18A mouse mAb (green) and negative control (purple).

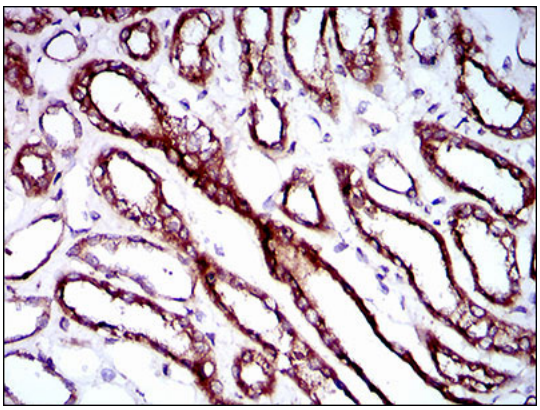

Figure 5: Immunohistochemical analysis of paraffin-embedded kidney tissues using RPL18A mouse mAb with DAB staining.

RPL18A Antibody - References

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