

**RPL18A Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2296a****Specification****RPL18A Antibody - Product Information**

Application	<b>E, WB, IF, FC, IHC</b>
Primary Accession	<a href="#">Q02543</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>20.8kDa KDa</b>

**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.

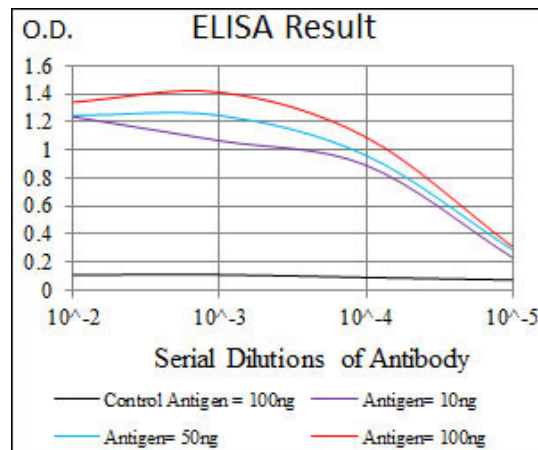
### Cellular Location

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](#)



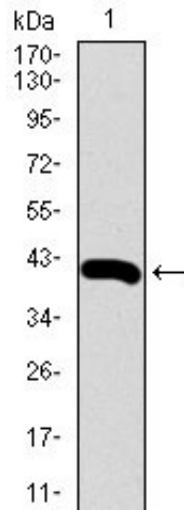


Figure 1: Western blot analysis using RPL18A mAb against human RPL18A recombinant protein. (Expected MW is 40.5 kDa)

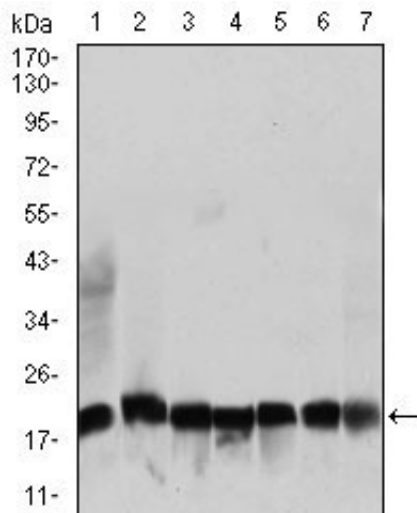


Figure 2: Western blot analysis using RPL18A mouse mAb against NIH3T3 (1), HEK293 (2), HL60 (3), Jurka (4), Raji (5), MOLT4 (6), and HeLa (7) cell lysate.

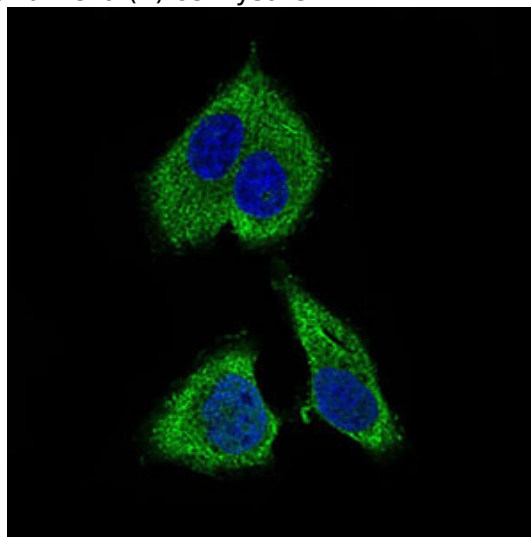


Figure 3: Immunofluorescence analysis of HepG2 cells using RPL18A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

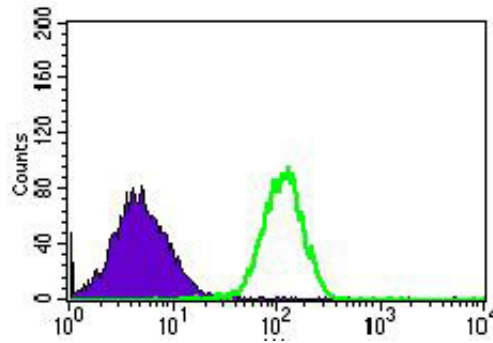


Figure 4: Flow cytometric analysis of HEK293 cells using RPL18A mouse mAb (green) and negative control (purple).

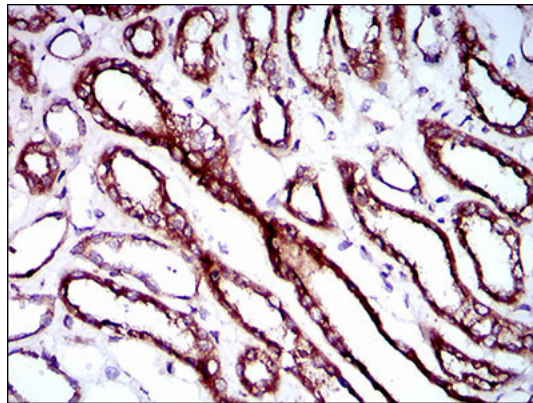


Figure 5: Immunohistochemical analysis of paraffin-embedded kidney tissues using RPL18A mouse mAb with DAB staining.

#### RPL18A Antibody - References

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