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RPL18A Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2296a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	Q02543
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Clone Names	6G6G10
Isotype	IgG1
Calculated MW	20762
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.

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.

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.

References

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

Images

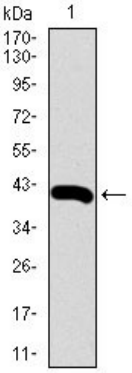

Figure 1: Western blot analysis using RPL18A mAb against human RPL18A recombinant protein. (Expected MW is 40.5 kDa)

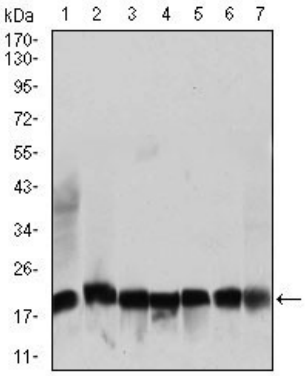

Figure 2: Western blot analysis using RPL18A mouse mAb against NIH3T3 (1), HEK293 (2), HL60 (3), Jurka (4), Raji (5), MOLT4 (6), and HeLa (7) cell lysate.

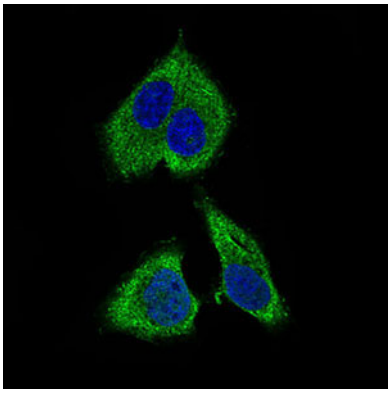

Figure 3: Immunofluorescence analysis of HepG2 cells using RPL18A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

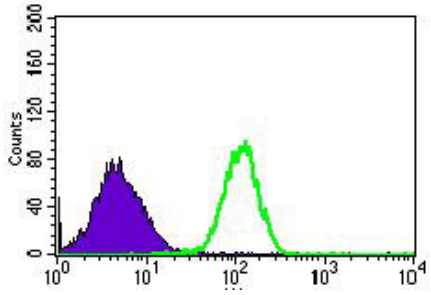

Figure 4: Flow cytometric analysis of HEK293 cells using RPL18A mouse mAb (green) and negative control (purple).

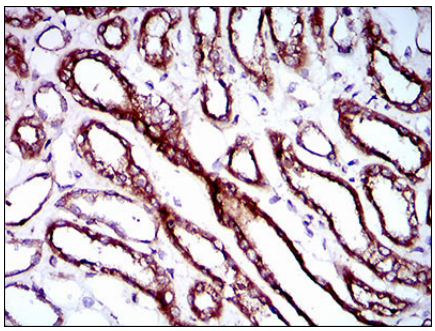

Figure 5: Immunohistochemical analysis of paraffin-embedded kidney tissues using RPL18A mouse mAb with DAB staining.