

For Research Use Only

# RPL18A Polyclonal antibody

Catalog Number: 14653-1-AP

4 Publications



## Basic Information

<b>Catalog Number:</b> 14653-1-AP	<b>GenBank Accession Number:</b> BC066319	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 300 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6142	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:20-1:200 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q02543	
<b>Isotype:</b> IgG	<b>Full Name:</b> ribosomal protein L18a	
<b>Immunogen Catalog Number:</b> AG6251	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 23 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HepG2 cells, HeLa cells, human brain tissue, mouse lung tissue, PC-3 cells

**IHC:** human prostate cancer tissue,

**IF/ICC:** HepG2 cells,

## Background Information

RPL18A, also named as 60S ribosomal protein L18a (Ribosomal Protein L18a), located on 19p13.11, is a protein coding gene. RPL18A is 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). Diseases such as Hepatitis C Virus and Omsk Hemorrhagic Fever are associated with RPL18A. The molecular weight of RPL18A is 23 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Riikka Jokinen	25808953	Genetics	WB
Haiping Tang	27325206	Sci Rep	WB
Sudeep Karki	37983950	EMBO Rep	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

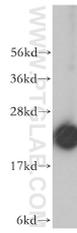
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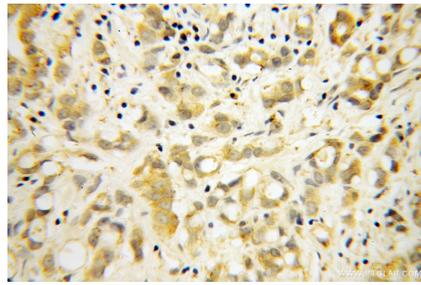
E: proteintech@ptglab.com  
W: ptglab.com

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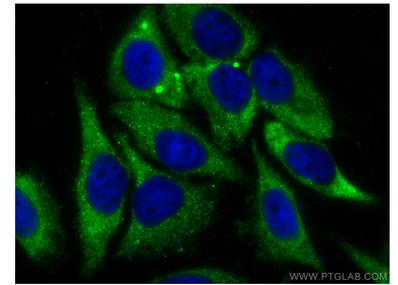
## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 14653-1-AP (RPL18A antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 14653-1-AP (RPL18A antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using RPL18A antibody (14653-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).