

For Research Use Only

# RPL6 Polyclonal antibody

Catalog Number: 15387-1-AP **8 Publications**



## Basic Information

<b>Catalog Number:</b> 15387-1-AP	<b>GenBank Accession Number:</b> BC004138	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6128	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> ribosomal protein L6	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 33 kDa	
<b>Immunogen Catalog Number:</b> AG6840	<b>Observed MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293T cells, HeLa cells, HepG2 cells, Jurkat cells
<b>Cited Applications:</b> FC, IF, IHC, WB	<b>IHC :</b> human liver tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IF :</b> HepG2 cells,
<b>Cited Species:</b> human, rat, mouse	

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

## Background Information

Ribosomes are large multiple protein complexes which is composed of more than 80 components and provide a protein-synthesizing machinery for all living cells. Ribosomal protein like 6 (RPL6, also called Taxreb107 for Tax responsive element binding protein 107), one of the ribosomal components, can bind with the Tax responsive element of human T cell leukemia virus (HTLV)-I in addition to be assembled to ribosomes [PMID:12031506]. Overexpressed in gastric cancer could promote cell growth and cell cycle progression at least through upregulating cyclin E expression [PMID:20171175].

## Notable Publications

Author	Pubmed ID	Journal	Application
Xuxiu Tao	36156329	Cancer Sci	WB,IHC,IF
Kai Ma	35637200	Cell Discov	IF
Sipeng Li	34265469	Mol Cell Proteomics	WB

## Storage

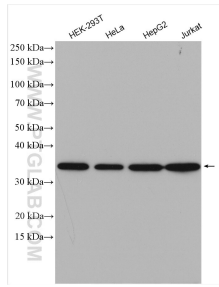
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

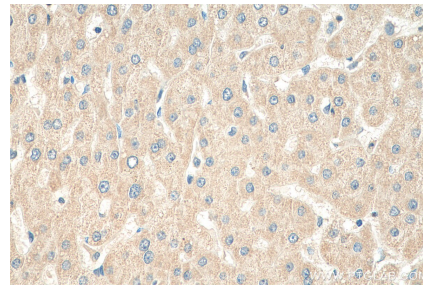
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

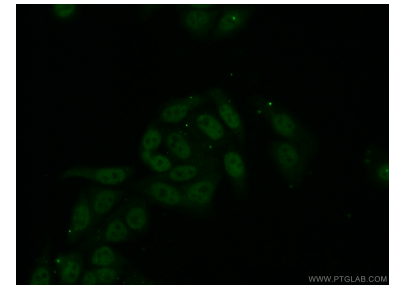
## Selected Validation Data



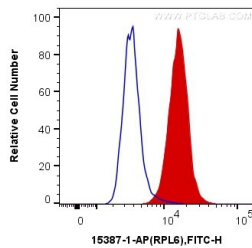
Various lysates were subjected to SDS PAGE followed by western blot with 15387-1-AP (RPL6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15387-1-AP (RPL6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 15387-1-AP (RPL6 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.2  $\mu$ g Anti-Human RPL6 (15387-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2  $\mu$ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).