

For Research Use Only

Ribosomal protein L4 Polyclonal antibody



Catalog Number: 11302-1-AP

Featured Product

31 Publications

Basic Information

Catalog Number: 11302-1-AP	GenBank Accession Number: BC009888	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop;	GeneID (NCBI): 6124	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:20-1:200
Source: Rabbit	Full Name: ribosomal protein L4	
Isotype: IgG	Calculated MW: 48 kDa	
Immunogen Catalog Number: AG1828	Observed MW: 48 kDa	

Applications

Tested Applications:
FC, IF, IHC, IP, WB, ELISA

Cited Applications:
FC, IF, IP, RIP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, Arabidopsis, mouse, rice

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: HeLa cells, rat skeletal muscle tissue, HepG2 cells, MCF-7 cells

IP: K-562 cells,

IHC: human lymphoma tissue,

IF: HepG2 cells,

Background Information

60S ribosomal protein L4 is encoded by RPL4 (or RPL1) gene. RPL4 is a component of 60S subunit of ribosome, and belongs to the L4E family. By interacting with c-Myb, RPL4 plays a important role in c-myc expression in response to growth factor and nutritional signals. Recently RPL4 was reported to be able to increase efficiency of viral recoding sequence.

Notable Publications

Author	Pubmed ID	Journal	Application
Bartoli Kristen M KM	21795388	Mol Biol Cell	WB
Zekun Wang	34653226	PLoS Pathog	WB
Annie Hien	33054857	Mol Autism	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

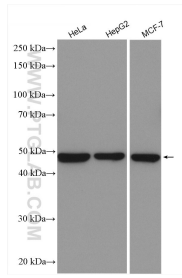
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

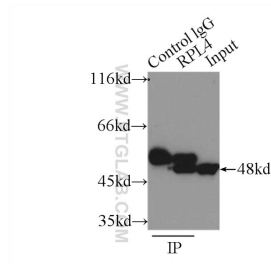
E: proteintech@ptglab.com
W: ptglab.com

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

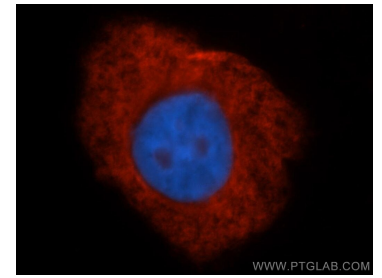
Selected Validation Data



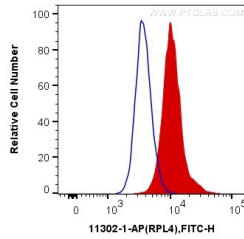
Various lysates were subjected to SDS PAGE followed by western blot with 11302-1-AP (Ribosomal protein L4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



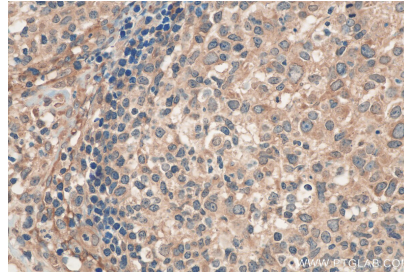
IP Result of anti-ribosomal protein L4 (IP:11302-1-AP, 3ug; Detection:11302-1-AP 1:800) with K-562 cells lysate 6000ug.



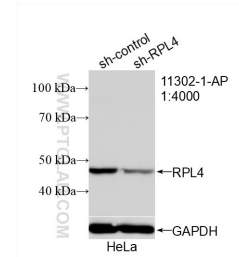
Immunofluorescent analysis of HepG2 cells using Ribosomal protein L4 antibody (11302-1-AP) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.



1×10^6 HeLa cells were intracellularly stained with 0.2 ug Anti-Human Ribosomal protein L4 (11302-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11302-1-AP (Ribosomal protein L4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Ribosomal protein L4 antibody (11302-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Ribosomal protein L4 transfected HeLa cells.