

For Research Use Only

RPL14 Polyclonal antibody

Catalog Number: 14991-1-AP **4 Publications**



Basic Information

Catalog Number: 14991-1-AP	GenBank Accession Number: BC000606	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 9045	Recommended Dilutions: WB 1:5000-1:50000
Source: Rabbit	UNIPROT ID: P50914	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: ribosomal protein L14	IHC 1:20-1:200
Immunogen Catalog Number: AG6976	Calculated MW: 23 kDa	IF/ICC 1:20-1:200
	Observed MW: 25-30 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls: WB : HEK-293 cells, HepG2 cells, HeLa cells, MCF-7 cells, mouse liver tissue, rat liver tissue
Cited Applications: WB, ColP, IF	IP : mouse liver tissue,
Species Specificity: human, mouse, rat	IHC : human colon cancer tissue,
Cited Species: human, mouse	IF/ICC : HepG2 cells,
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

RPL14 is a component of the large ribosomal subunit. The protein belongs to the L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain.

Notable Publications

Author	Pubmed ID	Journal	Application
Kai Ma	35637200	Cell Discov	WB,IF
Xiaochen Gai	34980897	Cell Res	IF
Duo Wu	37789001	Cell Discov	ColP,WB

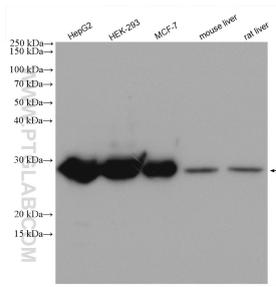
Storage

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

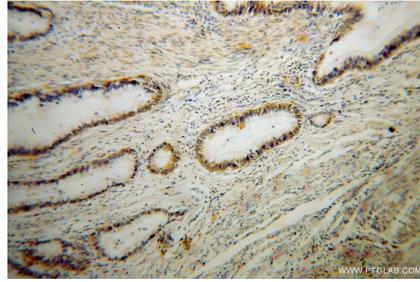
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

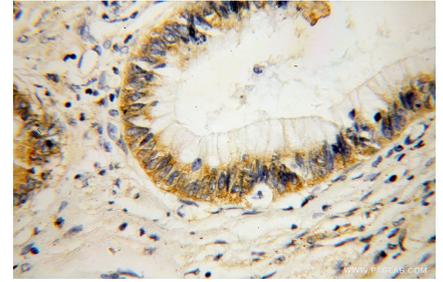
Selected Validation Data



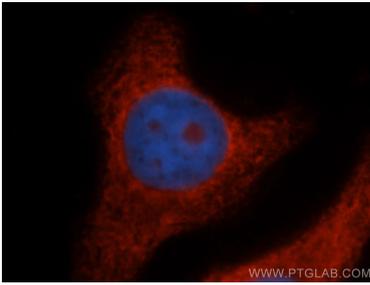
Various lysates were subjected to SDS PAGE followed by western blot with 14991-1-AP (RPL14 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



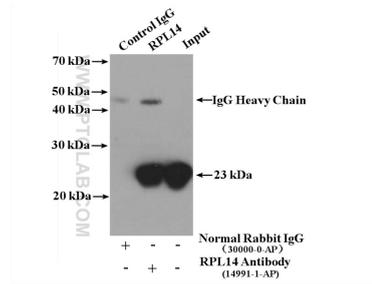
Immunohistochemical analysis of paraffin-embedded human colon cancer using 14991-1-AP (RPL14 antibody) at dilution of 1:100 (under 10x lens).



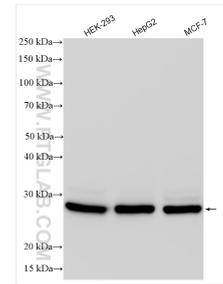
Immunohistochemical analysis of paraffin-embedded human colon cancer using 14991-1-AP (RPL14 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using RPL14 antibody 14991-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP result of anti-RPL14 (IP:14991-1-AP, 4ug; Detection:14991-1-AP 1:1000) with mouse liver tissue lysate 6800ug.



Various lysates were subjected to SDS PAGE followed by western blot with 14991-1-AP (RPL14 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.