For Research Use Only

RPS14 Polyclonal antibody

Catalog Number:16683-1-AP 11 Publications

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Basic Information

Catalog Number:
16683-1-AP

Size:
150ul , Concentration: 900 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10012

GenBank Accession Number:
BC006784

GeneID (NCBI):
6208

UNIPROT ID:
P62263

Full Name:
ribosomal protein S14

Calculated MW:
16 kDa

Observed MW:
16 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:20-1:200
IF/ICC 1:10-1:100

Applications

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

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, zebrafish, arabidopsis

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, mouse liver tissue, HepG2 cells, rat liver tissue

IHC : human liver tissue,

IF/ICC : HepG2 cells, U2OS cells

Background Information

The mammalian ribosome consists of 4 RNA species and approximately 80 different proteins. The ribosomal proteins are encoded by complex gene families that include at least 1 active intron-containing gene and multiple processed pseudogenes[PMID 3785212]. The RPS14 gene, encoding a ribosomal protein that belongs to the 40S ribosome, and mapping to the commonly deleted region (CDR) of the 5q- syndrome, shows haploinsufficiency in the CD34+ cells of patients with this disorder[PMID:22430631].

Notable Publications

Author	Pubmed ID	Journal	Application
Elizabeth B Rinker	26408650	J Clin Pathol	IHC
Eun-Ryeong Hahm	35419300	J Cancer Prev	WB
Harrison Tudor Evans	34147135	Acta Neuropathol Commun	WB

Storage

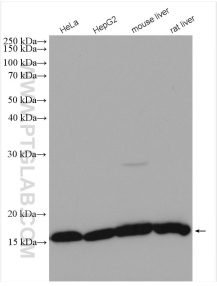
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

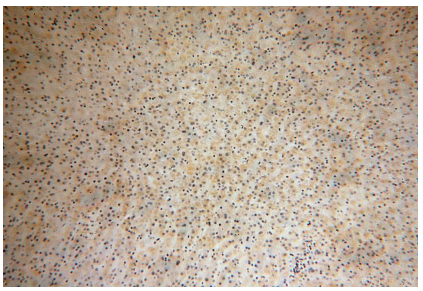
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

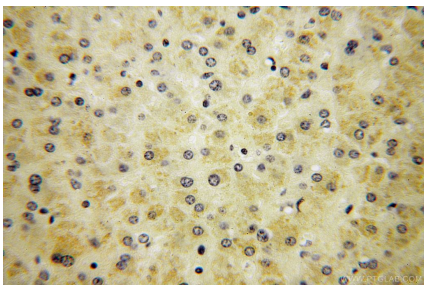
Selected Validation Data



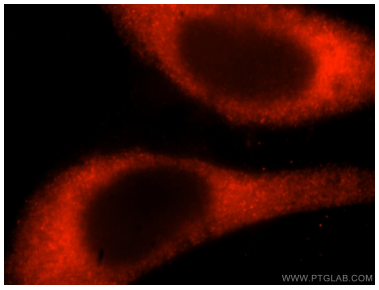
Various lysates were subjected to SDS PAGE followed by western blot with 16683-1-AP (RPS14 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 16683-1-AP (RPS14 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 16683-1-AP (RPS14 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using RPS14 antibody 16683-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).