

For Research Use Only

RPL3 Monoclonal antibody

Catalog Number: 66130-1-Ig **4 Publications**



Basic Information

Catalog Number: 66130-1-Ig	GenBank Accession Number: BC012786	Purification Method: Protein G purification
Size: 150ul , Concentration: 1300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6122	CloneNo.: 2G1B8
Source: Mouse	Full Name: ribosomal protein L3	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500 IF 1:400-1:1600
Isotype: IgG1	Calculated MW: 46/27 kDa	
Immunogen Catalog Number: AG20400	Observed MW: 46 kDa	

Applications

Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
IF, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

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 : RAW 264.7 cells, HEK-293 cells

IHC : human liver cancer tissue, human breast cancer tissue, human lung cancer tissue, human placenta tissue, human prostate cancer tissue

IF : HepG2 cells,

Background Information

Ribosomes, the complexes that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPL3, also named as TARBP-B and MGC104284, belongs to the ribosomal protein L3P family. This protein is a component of the 60S subunit. It can bind to the HIV-1 TAR mRNA, and it has been suggested that the protein contributes to tat-mediated transactivation. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Notable Publications

Author	Pubmed ID	Journal	Application
Hauke S Hillen	34135319	Nat Commun	WB
Eriko Matsuura-Suzuki	35674491	Elife	WB
Pengli Zheng	34912111	Nature	IF

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

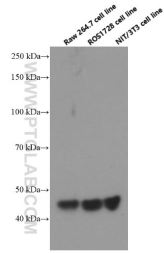
For technical support and original validation data for this product please contact:

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

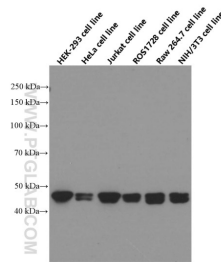
E: proteintech@ptglab.com
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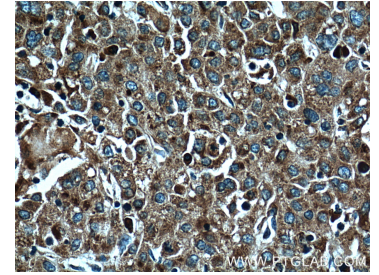
Selected Validation Data



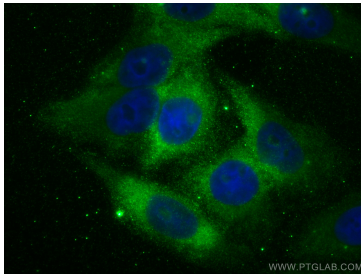
Western blot analysis of RPL3 in various cell lines using Proteintech antibody 66130-1-Ig at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Western blot analysis of RPL3 in various cell lines and tissues using Proteintech antibody 66130-1-Ig at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66130-1-Ig (RPL3 Antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using RPL3 antibody (66130-1-Ig, Clone: 2G1B8) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).