

For Research Use Only

MRPL11 Polyclonal antibody

Catalog Number: 15543-1-AP **12 Publications**



Basic Information

Catalog Number: 15543-1-AP	GenBank Accession Number: BC005002	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 65003	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	Full Name: mitochondrial ribosomal protein L11	IHC 1:20-1:200 IF 1:50-1:500
Isotype: IgG	Calculated MW: 21 kDa	
Immunogen Catalog Number: AG7899	Observed MW: 21 kDa	

Applications

Tested Applications: FC, IF, IHC, IP, WB, ELISA	Positive Controls: WB : BxPC-3 cells, K-562 cells IP : mouse liver tissue, IHC : human liver tissue, IF : HepG2 cells,
Cited Applications: CoIP, 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	

Background Information

MRPL11 is one of the protein components of mitochondrial ribosomes encoded by the nuclear genome, which is essential for oxidative phosphorylation.

Notable Publications

Author	Pubmed ID	Journal	Application
Uwe Richter	30262910	Nat Commun	WB
Uwe Richter	26504172	J Cell Biol	WB
Christopher B Jackson	30358850	Hum Mol Genet	WB

Storage

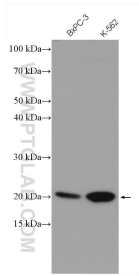
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

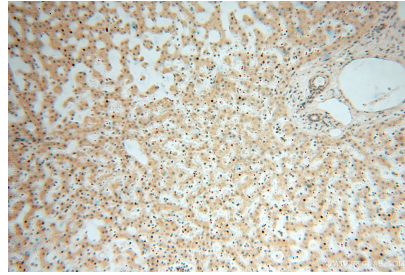
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

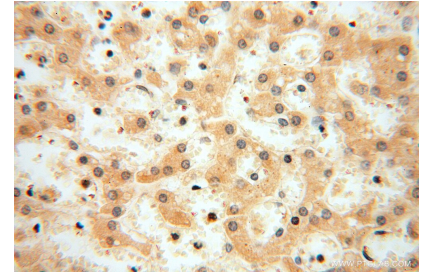
Selected Validation Data



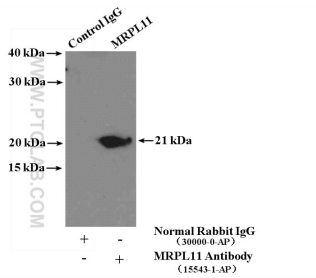
Various lysates were subjected to SDS PAGE followed by western blot with 15543-1-AP (MRPL11 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



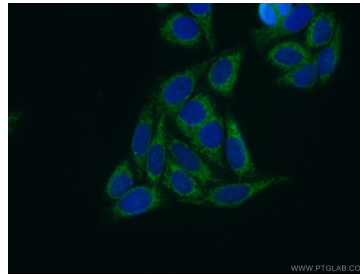
Immunohistochemical analysis of paraffin-embedded human liver using 15543-1-AP (MRPL11 antibody) at dilution of 1:50 (under 10x lens).



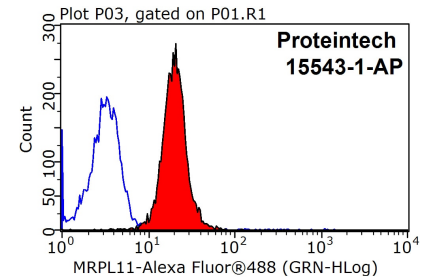
Immunohistochemical analysis of paraffin-embedded human liver using 15543-1-AP (MRPL11 antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-MRPL11 (IP:15543-1-AP, 4ug; Detection:15543-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 15543-1-AP (MRPL11 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 HepG2 cells were stained with 0.2ug MRPL11 antibody (15543-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.