

MRPL11 Polyclonal antibody

Catalog Number: 15543-1-AP

12 Publications

Basic Information

Catalog Number:

15543-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7899

GenBank Accession Number:

BC005002

GeneID (NCBI):

65003

UNIPROT ID:

Q9Y3B7

Full Name:

mitochondrial ribosomal protein L11

Calculated MW:

21 kDa

Observed MW:

21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:

FC, IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB, ColP

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 : BxPC-3 cells, K-562 cells

IP : mouse liver tissue,

IHC : human liver tissue,

IF : HepG2 cells,

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

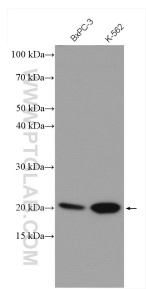
For technical support and original validation data for this product please contact:

T: 4006900926

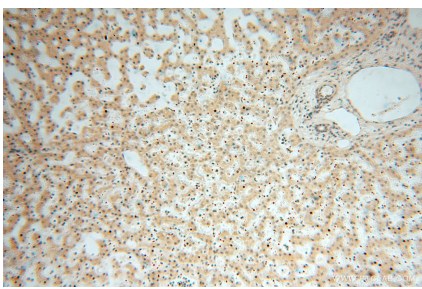
E: Proteintech-CN@ptglab.comW: ptgcn.com

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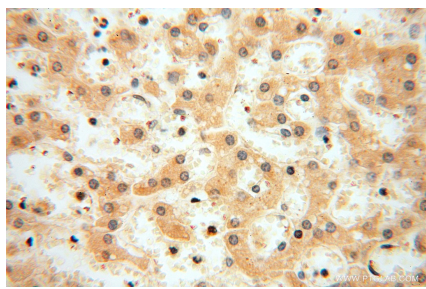
Selected Validation Data



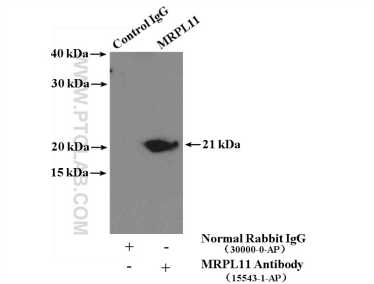
Various lysates were subjected to SDS PAGE followed by western blot with 15543-1-AP (MRPL11 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



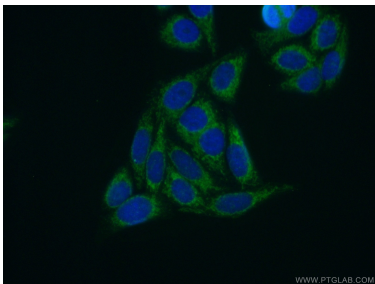
Immunohistochemical analysis of paraffin-embedded human liver using 15543-1-AP (MRPL11 antibody) at dilution of 1:50 (under 10x lens).



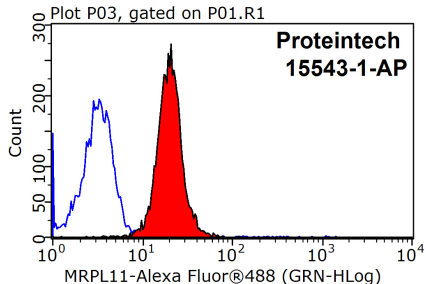
Immunohistochemical analysis of paraffin-embedded human liver using 15543-1-AP (MRPL11 antibody) at dilution of 1:50 (under 40x lens).



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).



1X10⁶ 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.