

For Research Use Only

MRPL48 Polyclonal antibody

Catalog Number: 14677-1-AP

9 Publications



Basic Information

Catalog Number:

14677-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6387

GenBank Accession Number:

BC009764

GeneID (NCBI):

51642

UNIPROT ID:

Q96GC5

Full Name:

mitochondrial ribosomal protein L48

Calculated MW:

24 kDa

Observed MW:

20-21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, bovine

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 : Jurkat cells, HeLa cells

IHC : human pancreas cancer tissue,

IF/ICC : HeLa cells,

Background Information

MRPL48, also named as CGI-118, or HSPC290 is a 212 amino acid protein, which localizes in the Mitochondrion. MRPL48 is a component of the large subunit of the mitochondrial ribosome, including two RNA molecules and, at least, 70 proteins among which 47 proteins for the large subunit. Mitochondrial ribosomal protein helps in protein synthesis within the mitochondrion.

Notable Publications

Author	Pubmed ID	Journal	Application
Shanshan Wu	36077543	Int J Mol Sci	IF
Ying Shu	36314841	EMBO J	WB
Brooke C Wilson	33122634	Nat 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

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

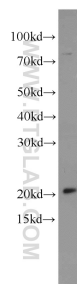
T: 4006900926

E: Proteintech-CN@ptglab.com

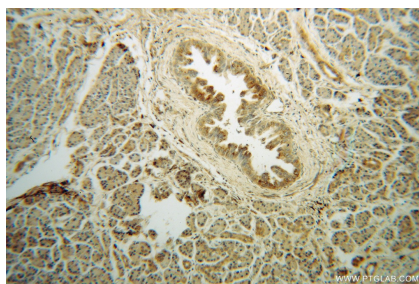
W: ptgcn.com

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

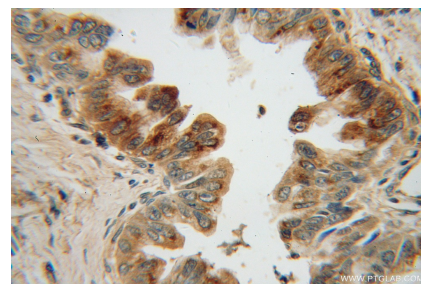
Selected Validation Data



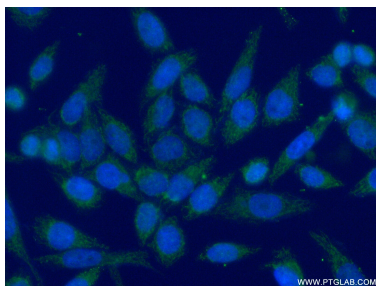
Jurkat cells were subjected to SDS PAGE followed by western blot with 14677-1-AP (MRPL48 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 14677-1-AP (MRPL48 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 14677-1-AP (MRPL48 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 14677-1-AP (MRPL48 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).