

For Research Use Only

MRPL3 Polyclonal antibody

Catalog Number: 16584-1-AP

5 Publications



Basic Information

Catalog Number:

16584-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9970

GenBank Accession Number:

BC003375

GeneID (NCBI):

11222

UNIPROT ID:

P09001

Full Name:

mitochondrial ribosomal protein L3

Calculated MW:

39 kDa

Observed MW:

35-39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : A431 cells, HeLa cells, HepG2 cells

IHC : human cervical cancer tissue, human liver cancer tissue

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

MRPL3, also named as 39S ribosomal protein L3, mitochondrial or RPML3, is a 348 amino acid protein, which belongs to the ribosomal protein L3P family. MRPL3 localizes in the Mitochondrion and has an association with combined oxidative phosphorylation deficiency 9. MRPL3 plays role in the mitochondrial proteins biosynthesis and ribosomal structure and biogenesis.

Notable Publications

Author	Pubmed ID	Journal	Application
Sven Dennerlein	34969438	Elife	WB
Elena Lavdovskaia	30085210	Nucleic Acids Res	WB
Petra Páleníková	37976156	STAR Protoc	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

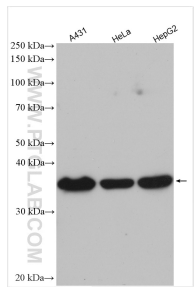
For technical support and original validation data for this product please contact:

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

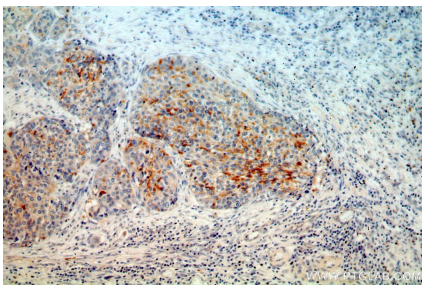
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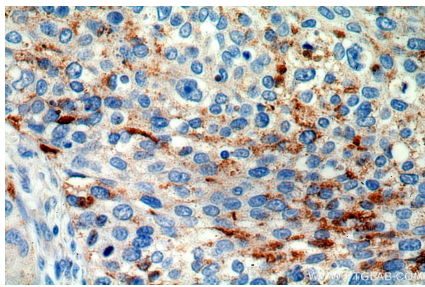
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16584-1-AP (MRPL3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 16584-1-AP (MRPL3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 16584-1-AP (MRPL3 antibody) at dilution of 1:100 (under 40x lens).