For Research Use Only

MRPS25 Polyclonal antibody

Catalog Number:15277-1-AP Featured Product 6 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
15277-1-AP

Size:
150ul , Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7395

GenBank Accession Number:
BC003590

GeneID (NCBI):
64432

UNIPROT ID:
P82663

Full Name:
mitochondrial ribosomal protein S25

Calculated MW:
20 kDa

Observed MW:
20 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, IP, ELISA

Cited Applications:
WB, IP

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 : HEK-293 cells, HepG2 cells

IP : HEK-293 cells,

IHC : human intrahepatic cholangiocarcinoma tissue, human stomach tissue

Background Information

Mitochondrial ribosomal protein S25 (MRPS25) belongs to the ribosomal protein S25/L51 family. It is a component of the mitochondrial ribosome small subunit (28S). The variant segregated with the disease and substitutes a highly conserved proline residue with leucine (p.P72L) that, based on the high-resolution structure of the 28S ribosome, is predicted to compromise inter-protein contacts and destabilize the small subunit.

Notable Publications

Author	Pubmed ID	Journal	Application
Benedetta Ruzzenente	33606205	Methods Mol Biol	WB
Tara R Richman	25816300	PLoS Genet	WB
Taru Hilander	39015150	iScience	WB

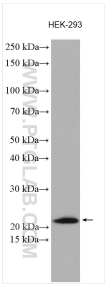
Storage

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

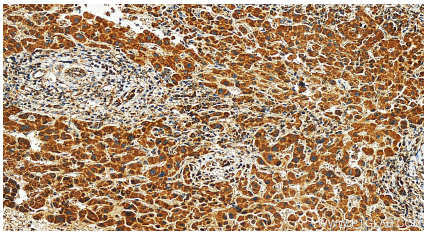
***** 20ul sizes contain 0.1% BSA**

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

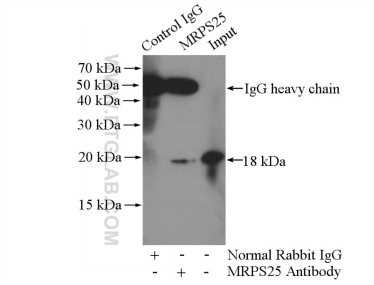
Selected Validation Data



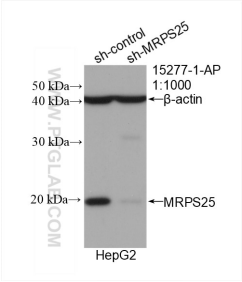
HEK-293 cells were subjected to SDS PAGE followed by western blot with 15277-1-AP (MRPS25 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 15277-1-AP (MRPS25 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-MRPS25 (IP:15277-1-AP, 4ug; Detection:15277-1-AP 1:500) with HEK-293 cells lysate 1600ug.



WB result of MRPS25 antibody (15277-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MRPS25 transfected HepG2 cells.