

For Research Use Only

TRMT10C Recombinant antibody

Catalog Number: 84991-4-RR



Basic Information

Catalog Number:

84991-4-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30642

GenBank Accession Number:

NM_017819

GeneID (NCBI):

54931

UNIPROT ID:

Q7L0Y3

Full Name:

RNA (guanine-9-) methyltransferase domain containing 1

Calculated MW:

47 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

242522B5

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : LNCaP cells, HeLa cells, HepG2 cells, K-562 cells, PC-12 cells, rat heart tissue

Background Information

tRNA methyltransferase 10 homolog C (TRMT10C, also known as MRPP1) is involved in mitochondrial RNA processing and modification (PMID: 21593607). It is essential for the 5'-ends processing of mitochondrial tRNAs and plays a critical role in mitochondrial respiration and translation (PMID: 18984158; 29040705). Mutations in TRMT10C may be a cause of mitochondrial disease and highlight the importance of RNA processing for correct mitochondrial function (PMID: 27132592).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

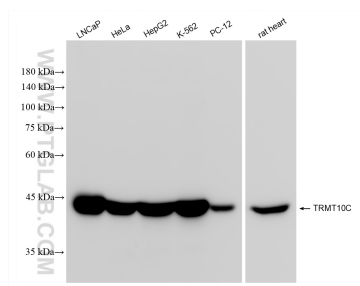
T: 4006900926

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



Various lysates were subjected to SDS PAGE followed by western blot with 84991-4-RR (TRMT10C antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.