

For Research Use Only

TRMT10B Polyclonal antibody, PBS Only

Catalog Number: 33056-1-PBS



Basic Information

Catalog Number:

33056-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36835

GenBank Accession Number:

BC012175

GeneID (NCBI):

158234

UNIPROT ID:

Q6PF06

Full Name:

RNA (guanine-9-) methyltransferase domain containing 3

Calculated MW:

36 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

The TRM10 family of methyltransferases is responsible for the N1-methylation of purines at position 9 of tRNAs in Archaea and Eukarya. The human genome encodes three TRM10-type enzymes. TRMT10B is the first m1A9-specific tRNA methyltransferase found in eukaryotes and is responsible for the modification of a single nuclear-encoded tRNA. Furthermore, we show that the lack of G9 methylation causes a decrease in the steady-state levels of the initiator tRNAⁱMet-CAT and an alteration in its further post-transcriptional modification (PMID: 32392304).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

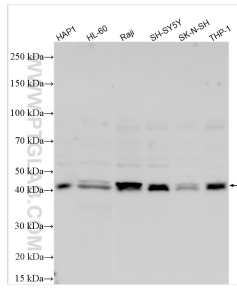
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33056-1-AP (RG9MTD3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33056-1-PBS in a different storage buffer formulation.