

For Research Use Only

TRMT10B Polyclonal antibody

Catalog Number: 33056-1-AP



Basic Information

Catalog Number:

33056-1-AP

Concentration:

300 µg/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

Recommended Dilutions:

WB: 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: HAP1 cells, HL-60 cells, HeLa cells, Raji cells, SH-SY5Y cells, SK-N-SH cells, THP-1 cells

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 -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:

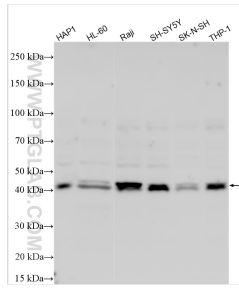
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.