

For Research Use Only

# TRMT10B Polyclonal antibody, PBS Only

Catalog Number: 33056-1-PBS



## Basic Information

**Catalog Number:**

33056-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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 tRNA<sup>i</sup>Met-CAT and an alteration in its further post-transcriptional modification (PMID: 32392304).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

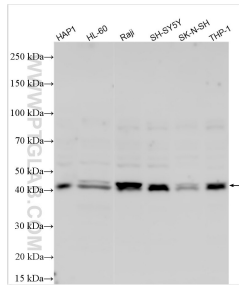
For technical support and original validation data for this product please contact:

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## 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.