

For Research Use Only

# TRMT10B Polyclonal antibody

Catalog Number: 33056-1-AP



## Basic Information

<b>Catalog Number:</b> 33056-1-AP	<b>GenBank Accession Number:</b> BC012175	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 158234	<b>Recommended Dilutions:</b> WB: 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6PF06	
<b>Isotype:</b> IgG	<b>Full Name:</b> RNA (guanine-9-) methyltransferase domain containing 3	
<b>Immunogen Catalog Number:</b> AG36835	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HAP1 cells, HL-60 cells, HeLa cells, Raji cells, SH-SY5Y cells, SK-N-SH cells, THP-1 cells
<b>Species Specificity:</b> 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 -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

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

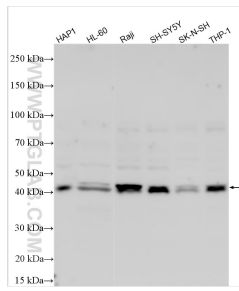
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## Selected Validation Data



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.