

For Research Use Only

# METTL1 Recombinant antibody

Catalog Number: 84272-1-RR



## Basic Information

<b>Catalog Number:</b> 84272-1-RR	<b>GenBank Accession Number:</b> BC000550	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 4234	<b>CloneNo.:</b> 241108G8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UBP6	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> methyltransferase like 1	
<b>Immunogen Catalog Number:</b> AG7055	<b>Calculated MW:</b> 31 kDa	
	<b>Observed MW:</b> 31-35 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : A549 cells, HeLa cells, HepG2 cells, Caco-2 cells, HuH-7 cells, mouse brain tissue
<b>Species Specificity:</b> human, mouse	

## Background Information

METTL1 methyltransferase mediates m7G methylation within miRNAs and regulates cell migration via its catalytic activity. METTL1 can be inactivated by phosphorylation at Ser27 by protein kinase B (PKB  $\alpha$ ). Overexpression of METTL1 is widely observed among human cancers. It is also crucial for the regulation of chemoresistance in cancer treatment. In addition, mutations in the human N7-methylguanosine (m7G) methyltransferase complex METTL1/WDR4 cause primordial dwarfism and brain malformation.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

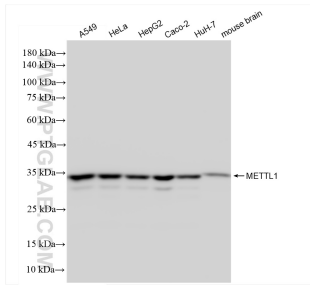
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

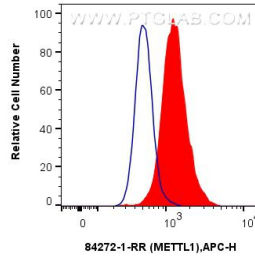
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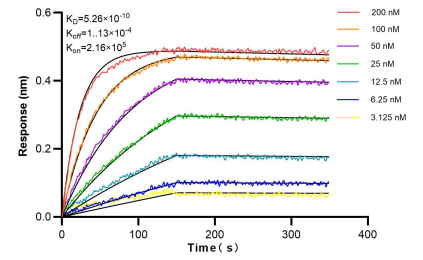
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84272-1-RR (METTL1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  A431 cells were intracellularly stained with 0.25  $\mu$ g METTL1 Recombinant antibody (84272-1-RR, Clone:241108G8) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 84272-1-RR against Human METTL1 were performed. The affinity constant is 0.526 nM.