

For Research Use Only

METTL1 Recombinant antibody

Catalog Number: 84272-1-RR



Basic Information

Catalog Number: 84272-1-RR	GenBank Accession Number: BC000550	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4234	CloneNo.: 241108G8
Source: Rabbit	UNIPROT ID: Q9UBP6	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: methyltransferase like 1	
Immunogen Catalog Number: AG7055	Calculated MW: 31 kDa	
	Observed MW: 31-35 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse

Positive Controls:
WB : A549 cells, HeLa cells, HepG2 cells, Caco-2 cells, HuH-7 cells, mouse brain tissue

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 (PKBa). 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

*** 20ul sizes contain 0.1% BSA

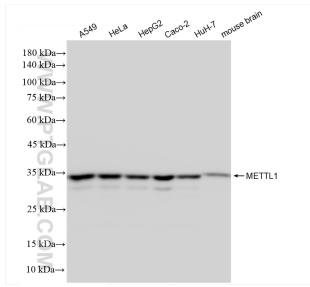
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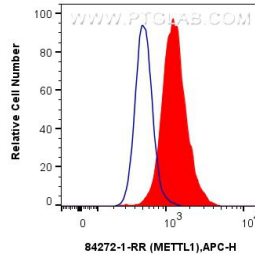
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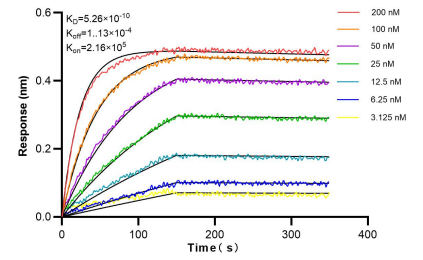
Selected Validation Data



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.



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



Biolayer interferometry (BLI) kinetic assays of 84272-1-RR against Human METTL1 were performed. The affinity constant is 0.526 nM.