

For Research Use Only

METTL1 Recombinant antibody, PBS Only

Catalog Number: 84272-1-PBS



Basic Information

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

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
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). 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

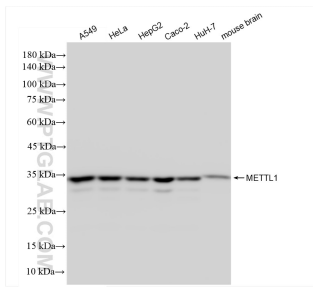
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

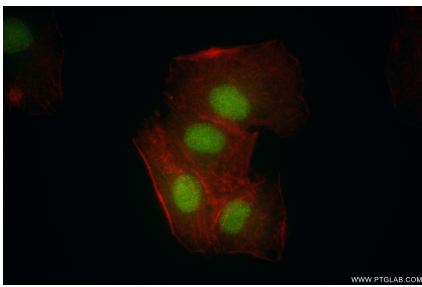
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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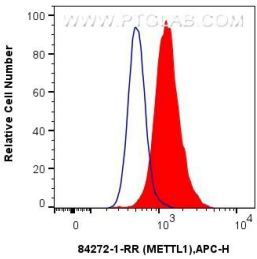
Selected Validation Data



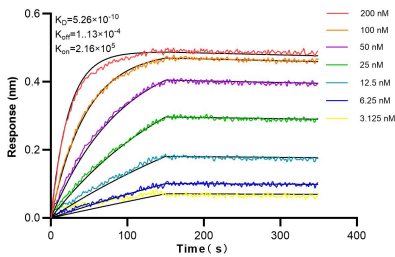
Various lysates were subjected to SDS PAGE followed by western blot with 84272-1-RR (METTL1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84272-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using METTL1 antibody (84272-1-RR, Clone: 241108G8) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84272-1-PBS in a different storage buffer formulation.



1x10⁶ A431 cells were intracellularly stained with 0.25 ug METTL1 Recombinant antibody (84272-1-RR, Clone:241108G8) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 84272-1-PBS in a different storage buffer formulation.



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