

For Research Use Only

# METTL1 Monoclonal antibody, PBS Only



Catalog Number: 68501-1-PBS

## Basic Information

<b>Catalog Number:</b> 68501-1-PBS	<b>GenBank Accession Number:</b> BC000550	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 4234	<b>CloneNo.:</b> 2C3G7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UBP6	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> methyltransferase like 1	
<b>Immunogen Catalog Number:</b> AG7055	<b>Calculated MW:</b> 31 kDa	
	<b>Observed MW:</b> 31 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human, mouse, pig

## 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 only

Aliquoting is unnecessary for -20°C storage

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

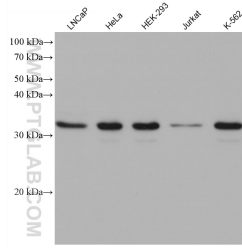
T: 4006900926

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

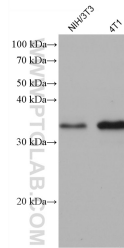
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68501-1-Ig (METTL1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68501-1-PBS in a different storage buffer formulation.



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