

For Research Use Only

# METTL1 Monoclonal antibody

Catalog Number: 68501-1-Ig



## Basic Information

<b>Catalog Number:</b> 68501-1-Ig	<b>GenBank Accession Number:</b> BC000550	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4234	<b>CloneNo.:</b> 2C3G7
<b>Source:</b> Mouse	<b>Full Name:</b> methyltransferase like 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 31 kDa	
<b>Immunogen Catalog Number:</b> AG7055	<b>Observed MW:</b> 31 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

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

**Positive Controls:**

**WB :** LNCaP cells, NIH/3T3 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, 4T1 cells

## 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 -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

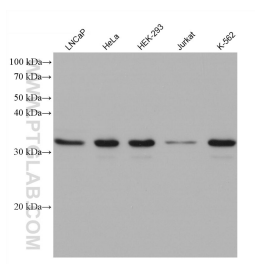
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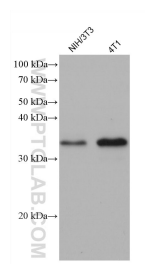
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68501-1-Ig (METTL1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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