

For Research Use Only

# METTL6 Recombinant antibody

Catalog Number: 84209-4-RR



## Basic Information

### Catalog Number:

84209-4-RR

### Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9714

### GenBank Accession Number:

BC022400

### GeneID (NCBI):

131965

### UNIPROT ID:

Q8TCB7

### Full Name:

methyltransferase like 6

### Calculated MW:

255 aa, 30 kDa

### Observed MW:

30-32 kDa

### Purification Method:

Protein A purification

### CloneNo.:

241482F12

### Recommended Dilutions:

WB 1:5000-1:50000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HeLa cells, HepG2 cells, LNCaP cells, HEK-293 cells, Jurkat cells, K-562 cells

## Background Information

Methyltransferase-like protein 6 (METTL6) belongs to the METL family. METTL6 is as a crucial regulator of tumor cell growth, and METTL6 is a bona fide transfer RNA (tRNA) methyltransferase, catalyzing the formation of 3-methylcytidine at C32 of specific serine tRNA isoacceptors (PMID:32923617). METTL6 is a member of the RNA methyltransferase family that has been identified in many cancers. The mRNA expression levels of METTL6 were significantly upregulated in HCC tumor tissues compared to that in adjacent non-tumor tissues. CRISPR/Cas9 mediated knockout of METTL6 in hepatocellular carcinoma cell lines remarkably inhibited colony formation, cell proliferation, cell migration, cell invasion and cell attachment ability (PMID:34913069).

## 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

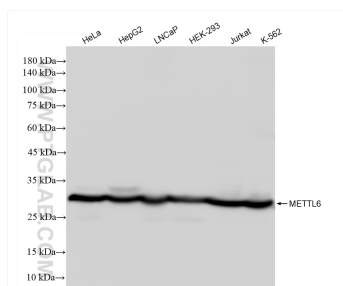
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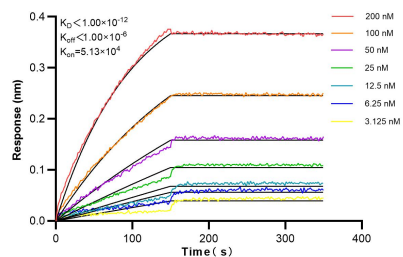
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84209-4-RR (METTL6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84209-4-RR against Human METTL6 were performed. The affinity constant is below 1 pM.