

For Research Use Only

# METTL3 Monoclonal antibody, PBS Only



Catalog Number: 67733-1-PBS

Featured Product

## Basic Information

Catalog Number:

67733-1-PBS

Size:

100ug , Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7110

GenBank Accession Number:

BC001650

GeneID (NCBI):

56339

UNIPROT ID:

Q86U44

Full Name:

methyltransferase like 3

Calculated MW:

64 kDa

Observed MW:

65-70 kDa

Purification Method:

Protein G purification

CloneNo.:

2D8H1

## Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

Human, mouse

## Background Information

METTL3 is a key S-adenosyl-L-methionine-binding subunit, which is component of a complex multicomponent enzyme that catalyzes the methylation of internal adenosine residues in eukaryotic mRNA, forming N6-methyladenosine. It contains 2 putative nuclear localization signals and 2 consensus methylation motifs. The calculated molecular weight of METTL3 is 64 kDa, but modified METTL3 is about 65-70 kDa.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

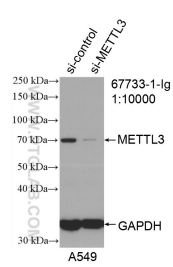
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

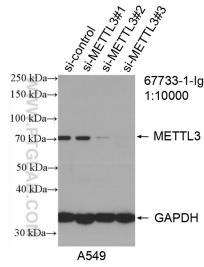
W: [ptglab.com](http://ptglab.com)

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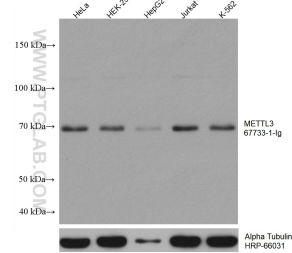
Selected Validation Data



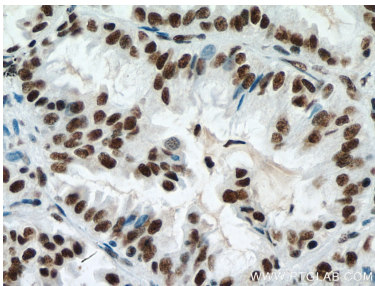
WB result of METTL3 antibody (67733-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-METTL3 transfected A549 cells. This data was developed using the same antibody clone with 67733-1-PBS in a different storage buffer formulation.



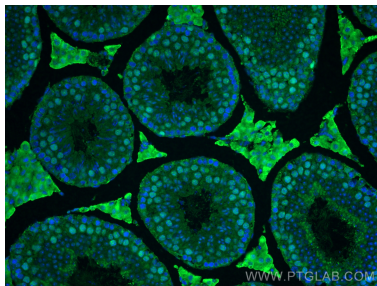
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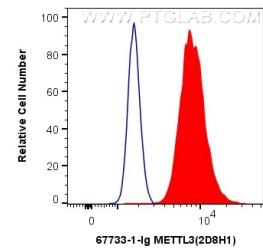
Various lysates were subjected to SDS PAGE followed by western blot with 67733-1-Ig (METTL3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 67733-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67733-1-Ig (METTL3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67733-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using METTL3 antibody (67733-1-Ig, Clone: 2D8H1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67733-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human METTL3 (67733-1-Ig, Clone:2D8H1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 67733-1-PBS in a different storage buffer formulation.