

METTL3 Monoclonal antibody

Catalog Number: 67733-2-Ig

Featured Product

Basic Information

Catalog Number:

67733-2-Ig

GenBank Accession Number:

BC001650

Purification Method:

Protein G purification

Size:

150ul, Concentration: 1000 µg/ml by Nanodrop and 503 µg/ml by Bradford method using BSA as the standard;

GeneID (NCBI):

56339

CloneNo.:

4B4A3

UNIPROT ID:

Q86U44

Recommended Dilutions:

WB 1:5000-1:50000

Source:

Mouse

Full Name:

methyltransferase like 3

IHC 1:500-1:2000

Isotype:

IgG1

Calculated MW:

64 kDa

Immunogen Catalog Number:

AG7110

Observed MW:

65-70 kDa

Applications

Tested Applications:

WB, IHC, ELISA

Positive Controls:

WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, Neuro-2a cells, NIH/3T3 cells

Species Specificity:

Human, mouse

IHC : human lung cancer tissue, human urothelial carcinoma tissue, mouse testis tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 -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**

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

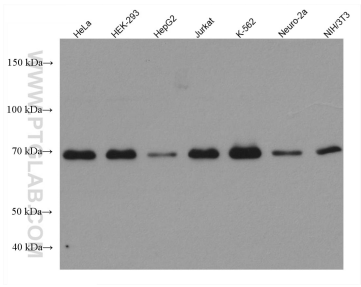
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

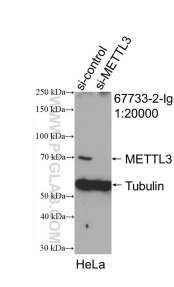
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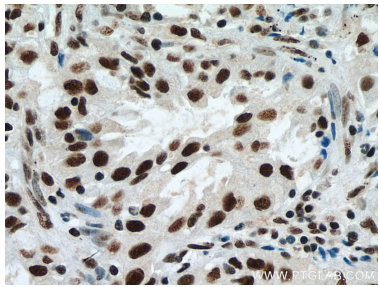
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67733-2-Ig (METTL3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of METTL3 antibody (67733-2-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-METTL3 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67733-2-Ig (METTL3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).