

For Research Use Only

METTL3 Monoclonal antibody, PBS Only



Catalog Number: 67733-1-PBS

Featured Product

Basic Information

Catalog Number: 67733-1-PBS	GenBank Accession Number: BC001650	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 56339	CloneNo.: 2D8H1
Source: Mouse	UNIPROT ID: Q86U44	
Isotype: IgG1	Full Name: methyltransferase like 3	
Immunogen Catalog Number: AG7110	Calculated MW: 64 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications:
WB, IF, FC, IHC, 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

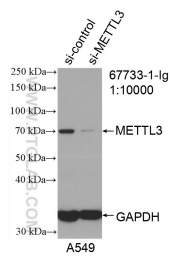
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

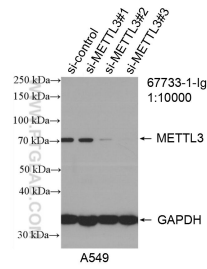
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

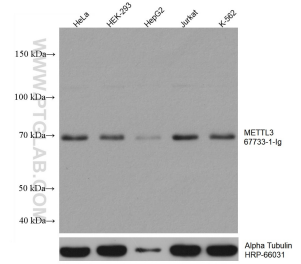
Selected Validation Data



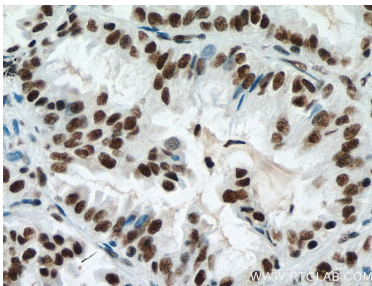
WB result of METTL3 antibody (67733-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-METTL3 transfected A549 cells. This data was developed using the same antibody clone with 67733-1-PBS in a different storage buffer formulation.



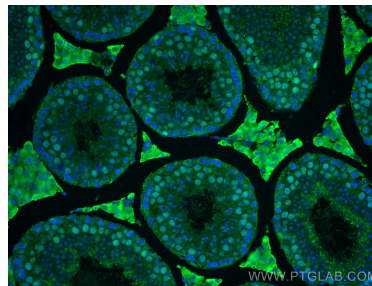
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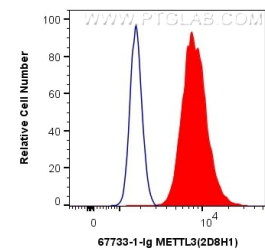
Various lysates were subjected to SDS PAGE followed by western blot with 67733-1-Ig (METTL3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This 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.



1×10^6 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.