

For Research Use Only

# METTL5 Polyclonal antibody

Catalog Number: 16791-1-AP

Featured Product

11 Publications



## Basic Information

<b>Catalog Number:</b> 16791-1-AP	<b>GenBank Accession Number:</b> BC000921	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 750 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 29081	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> methyltransferase like 5	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 209 aa, 24 kDa	<b>IF 1:200-1:800</b>
<b>Immunogen Catalog Number:</b> AG10232	<b>Observed MW:</b> 24-27 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells
<b>Cited Applications:</b> IHC, RIP, WB	<b>IP :</b> PC-3 cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human brain tissue,
<b>Cited Species:</b> human	<b>IF :</b> HepG2 cells,

**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

METTL5 is a member of the METTL family of S-adenosyl-methionine-dependent methyltransferases that adds m6A to a specific site, nucleotide A-1832 of 18S rRNA, hereafter referred to as m6A1832. METTL5 is localized in the nucleolus and cytoplasm.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jian Zhang	36465115	iScience	WB
Caraline Sepich-Poore	35033535	J Biol Chem	WB
Yanchuang Han	35295259	Front Cardiovasc Med	WB

## Storage

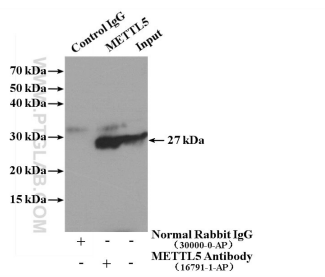
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

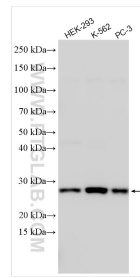
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



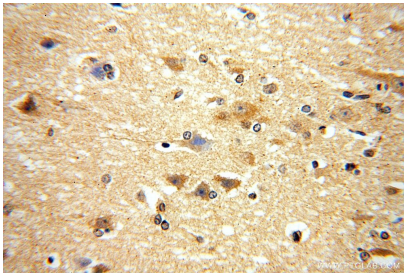
IP result of anti-METTL5 (IP:16791-1-AP, 4 $\mu$ g; Detection:16791-1-AP 1:500) with PC-3 cells lysate 3840  $\mu$ g.



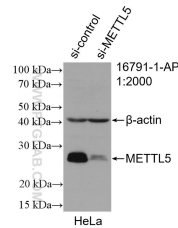
Various lysates were subjected to SDS PAGE followed by western blot with 16791-1-AP (METTL5 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



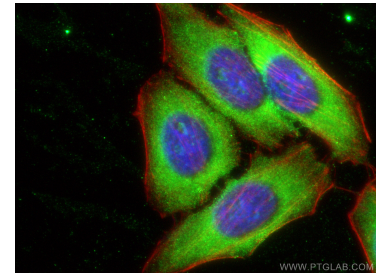
Immunohistochemical analysis of paraffin-embedded human brain using 16791-1-AP (METTL5 antibody) at dilution of 1:100 (under 10 $\times$  lens).



Immunohistochemical analysis of paraffin-embedded human brain using 16791-1-AP (METTL5 antibody) at dilution of 1:100 (under 40 $\times$  lens).



WB result of METTL5 antibody (16791-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-METTL5 transfected HeLa cells.



Immunofluorescent analysis of (-20 $^{\circ}$ C Ethanol) fixed HepG2 cells using METTL5 antibody (16791-1-AP) at dilution of 1:400 and CoraLite $^{\circ}$ 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).