For Research Use Only

## METTL5 Polyclonal antibody Catalog Number: 16791-1-AP Featured Product 16

Featured Product 16 Publications

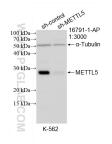


Size     GenetID (NCBI):     Recommended Dilutions:       150ul, Concentration: 750 ug/ml by     29981     WB 122005-1122000       Namodrop:     QNURPOT ID     IP 05.4.5 dug for 10.3.0 mg of tota protein lysate       Source:     QNURPOT ID     IP 01.5.4 dug for 10.3.0 mg of tota protein lysate       Isotype:     methyltransferase like 5     IF (IC 2.1200-1.800)       Isotype:     methyltransferase like 5     IF (IC 2.1200-1.800)       Immunogen Catalog Number:     209 aa, 24 kDa     Catculated MW       AG10232     Observed MW     24-27 kDa   AG10232 AG104 Applications: WB, IHC, IF/CC, IP, EUSA WB: HEK-393 cells, Hela cells, K-562 cells, PC-30 WB, IHC, IF/CC, IP, EUSA WB: HEK-393 cells, Hela cells, K-562 cells, PC-30 WB, IHC, IF/CC, IP, EUSA WB: HEK-393 cells, Hela cells, K-562 cells, PC-30 WB, IHC, IF/CC, IP, EUSA WB: HEK-393 cells, Hela cells, K-562 cells, PC-30 WB, IHC, IF/CC, IP, EUSA WB: HEK-393 cells, Hela cells, K-562 cells, PC-30 WB, IHC, IF/CC, IP, EUSA WB: HEK-393 cells, Hela cells, K-562 cells, PC-30 WB, IHC, IF/CC, IP, EUSA WB: HEK-393 cells, Hela cells, K-562 cells, PC-30 WB, IHC, IF/CC, IP, G2 cells, Cited Applications: WB, IHC, IF/CC, IP, EUSA WB: HEK-393 cells, MELA cells, K-562 cells, PC-30 WB, IHC, IPB Differ pH -0.0 WB   Background Information METILS is anember of the METIL family of 5-adenosyl-methionine-dependent methyltransferases that adds to a specific site, nucleotide A-1852 of 125 rKNA, hereafter referred to as m6A1352. METILS is localized in the nucleus and sytoplasm. Notable Publications Jian Zhang     Author   Storage St	Basic Information	Catalog Number: 16791-1-AP	GenBank Accession Nu BC000921	umber:	Purification Method: Antigen affinity purification
Nanodrop:       UNIPROTID:       IP 0.5.4.0ug for 1.0.3.0 mg of tota         Source:       Q9RN9       protein lysate         Rabbit       Full Name:       IFT.C.1.20-1.200         Isotype:       methyltransferase like 5       IFT.C.2.20-1.800         Isotype:       methyltransferase like 5       IFT.C.2.20-1.800         Immunogen Catalog Number:       AG10232       Observed MW:         24-27 kDa       VB, IHC, IFT.C.C. IP, ELISA       WB: HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells,         MB, IHC, IFT.C.C. IP, ELISA       WB: HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells,         VB, IHC, IFT.C.C. IP, ELISA       WB: HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells,         VB, IHC, IFT.C.C. IP, ELISA       WB: HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells,         VB, IHC, IPT.C.C. IP, ELISA       WB: HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells,         VB, IHC, IPT.C.C. IP, ELISA       WB: HEK-293 cells, IFT.C.C. HepG2 cells,         Cited Applications:       IP: PC-3 cells,         WB, IHC, RP       IHC: human brain tissue,         human       IFT.C.C. HepG2 cells,         Cited Species:       human         human       Second the METTL family of 5-adenosyl-methionine-dependent methyltransferases that adds in specific site, nucleotide A-1832 of 185 rRNA, hereafter referred to as m6A1832.2 METTL5 is localized in the nucleotus and c			GeneID (NCBI): 29081 UNIPROT ID: Q9NRN9		Recommended Dilutions: WB 1:2000-1:12000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source:     Q9RN9     protein lysite       Rabbit     Full Name:     HC 120-1200       Rabbit     Full Name:     HC 120-1200       Isoppe:     methyltransferase like 5     HC 120-1200       Isoppe:     Tested Applications:     Positive Controls:       WB, HC, IF/ICC, IP, ELSA     VIB : HEX-293 cells, HEL cells, K-562 cells, PC-3 cells,       Cited Applications:     IP : PC-3 cells,       WB, HC, RIP     IH C: human brain tissue,       Juman     IF/ICC : HepG2 cells,       Cited Species:     human       Note-IHC: suggested antigen retrieval with     TE buffer pH 9.0; (*) Alternatively, antigen retrieval my be performed with citrate       Background Information     METTLS is a member of the METTL family of S-adenosyl-methyltransferases that adds is to a specific site, nucleotide A-1832 of 185 rRNA, hereafter referred to as m6A1832. METTLS is localized in the nucleolus and cytoplasm.       Notable Publications     Jan Zhang       Jian Zhang     56465115       Yanchuag Han     35295259       Front Cardiovasc Med<					
Abbit     Calculations     HC 120-1200       Robbit     Full Name:     HF 120-1200       Isotype:     methyltransferase like 5     IF/ICC 1:200-1:800       Isotype:     methyltransferase like 5     IF/ICC 1:200-1:800       IgG     Calculated MW:     Zalculated MW:       AG10232     Observed MW:     Z4-27 KDa   AG10232       Applications:     WB, HC, IF/ICC, IP, EUSA     WB: HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells,       WB, HC, RIP     IP: PC-3 cells,     IHC : human brain tissue,       WB, HC, RIP     IP: PC-3 cells,     IF/ICC : HepG2 cells,       Numan     IF/ICC: HepG2 cells,     IF/ICC: HepG2 cells,       Background Information     METTLS is a member of the METTL family of 5-adenosyl-methionine-dependent methyltransferases that adds.       to a specific site, nucleotide A-1832 of 185 rRNA, hereafter referred to as m6A1832. METTLS is localized in the nucleolus and cytoplasm.       Notable Publications     MB       Jian Zhang     5465115     IScience       Jian Zhang     5465115     IScience     WB       Yanchuang Han     35295259     Front Cardiovasc Med     WB       Storage:     Storage:     Storage     Storage       Storage:     Storage af 2-0°C. Stable for one year after shipment.     Storage af 2-0°C. Stable for one year after shipment.		·			
Isotype:       methytransferase like 5         IgG       Calculated MW:         AG10232       209 a, 24 k Da         AG10232       Disserved MW:         24-27 kDa       24-27 k Da					
IgG       Catulated MW: 209 as, 24 kDa Observed MW: 24-27 kDa         Applications       Tested Applications: WB, IHC, IP/ICC, IP, ELISA Cited Applications: WB, IHC, RP       Positive Controls: WB, IHC, RP         Species Specificity: human       IP: PC-3 cells, Hela cells, K-562 cells, PC-3 of IP: PC-3 cells, IHC: human brain tissue, IF/ICC: HepG2 cells, IHC: human brain tissue, IF/ICC: HepG2 cells, IF/ICC: Hep				e 5	IF/ICC 1:200-1:800
Immunogen Catalog Number:       209 aa, 24 kDa         AG20232       Observed NW:         24-27 kDa         Applications       Tested Applications:         WB, HC, LF/ICC, IP, ELISA       WB: HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells, UB: HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells, UB: HC; RIP         Species Specificity:       IP: PC-3 cells, UB: Note Note Note Note Note Note Note Note			-		
Applications     Tested Applications: WB, HC, IF/ICC, IP, EUSA Cited Applications: WB, HC, RP     Positive Controls: WB, HC, RP       Species Specificity: human     IP: PC-3 cells, HLa cells, K-562 cells, PC-3 of IP: PC-3 cells, HLC: human brain tissue, IF/ICC: HepG2 cells, Human     IF/ICC: HepG2 cells, EF/ICC: HepG2 cells, EF/ICC		Immunogen Catalog Number:	209 aa, 24 kDa Observed MW:		
Apprications       WB, IHC, IF/ICC, IP, ELISA       WB: HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells, Cited Applications:         WB, IHC, RP       IP: PC-3 cells,         Species Specificity:       IHC: human brain tissue,         human       IF/ICC : HepG2 cells,         Cited Species:       human         Note-IHC: suggested antigen retrieval with       IF/ICC : HepG2 cells,         Background Information       METTL5 is a member of the METTL family of S-adenosyl-methionine-dependent methyltransferases that adds is to a specific site, nucleotide A-1832 of 185 rRNA, hereafter referred to as m6A1832. METTL5 is localized in the nucleolus and cytoplasm.         Notable Publications       Author       Pubmed ID       Journal       Application         National Storage       Storage:       Storage:       Storage WB       Storage METE:       Storage METE:         Storage       Storage METE:       Storage METE:       Stable for one year after shipment.       Storage METE:       WB		AG10232			
WB, IRC, IP/ICC, IP, ELSA       WB; IREX-293 cells, Hela cells, K-562 cells, PC-3 of Cited Applications:         Cited Applications:       IP: PC-3 cells,         WB, IRC, RP       IP: PC-3 cells,         Species Specificity:       IHC: human brain tissue,         human       IF/ICC : HepG2 cells,         Note-IHC: suggested antigen retrieval with       TE buffer pH 9.0; (*) Alternatively, antigen         retrieval may be performed with citrate       buffer pH 9.0; (*) Alternatively, antigen         PHOLOSING       METTLS is a member of the METTL family of S-adenosyl-methionine-dependent methyltransferases that adds is         Notable Publications       METTLS is a member of the METTL family of S-adenosyl-methionine-dependent methyltransferases that adds is         Notable Publications       Author       Pubmed ID       Journal       Application         Jian Zhang       36465115       IScience       WB         Vanchuang Han       35295259       Front Cardiovasc Med       WB         Storage:       Storage:       Storage Eifer:       PB with 0.02% sodium azide and 50% glycerol pH 7.3.         Allquoting is unnecessary for -20°C storage       Storage       Storage       Storage	Applications	1 C C C C C C C C C C C C C C C C C C C		Positive Con	trols:
WB, IHC, RIP       IP: PC-3 Cells,         Species Specificity:       IHC : human brain tissue,         human       IF/ICC : HepG2 cells,         Cited Species:       human         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       METTLS is a member of the METTL family of S-adenosyl-methionine-dependent methyltransferases that adds is to a specific site, nucleotide A-1832 of 185 rRNA, hereafter referred to as m6A1832. METTL5 is localized in the nucleolus and cytoplasm.         Notable Publications       Author       Pubmed ID       Journal       Application         Notable Publications       Author       Pubmed ID       Journal       Application         Storage       Storage:       Storage:       Storage Suffer:       WB         Storage Buffer:       Storage Suffer:       PS with 002% sodium azide and 50% glycerol pH 7.3.       Aliquoting is unnecessary for -20°C storage				WB: HEK-293	s cells, HeLa cells, K-562 cells, PC-3 cell
Species Specificity:       IHC : human brain tissue,         human       IF/ICC : HepG2 cells,         Cited Species:       human         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       METTLS is a member of the METTL family of S-adenosyl-methionine-dependent methyltransferases that adds i         to a specific site, nucleotide A-1832 of 185 rRNA, hereafter referred to as m6A1832. METTLS is localized in the nucleolus and cytoplasm.         Notable Publications       Author       Pubmed ID       Journal       Application         Jian Zhang       36465115       iScience       WB         Caratine Sepich-Poore       35033535       J Biol Chem       WB         Yanchuang Han       35295259       Front Cardiovasc Med       WB         Storage       Storage Suffer:       PBS with 002% sodium azide and 50% glycerol pH 7.3.       Aliquoting is unnecessary for -20°C storage				IP:PC-3 cells	5,
Cited Species: human         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 to to a specific site, nucleotide A-1832 of 185 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:       Storage:       Storage Buffer:       Pubmed 100, 20% sodium azide and 50% glycerol pH 7.3.         Aliquoting is unnecessary for -20°C storage       Storage       Storage       Keffer				IHC : human	brain tissue,
human       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 i 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 WB         Caraline Sepich-Poore       35033535       J Biol Chem       WB         Yanchuang Han       3529529       Front Cardiovasc Med       WB         Storage: Storage       Storage: Storage concerver after shipment. Storage buffer PB with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage       Here Storage		human		IF/ICC : Hep	G2 cells,
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 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:       Storage Iffer:       PBS with 0.02% sodium azide and 50% glycerol pH 7.3.         Aliquoting is unnecessary for -20°C storage       Aliquoting is unnecessary for -20°C storage       Storage		the second s			
Datcing       Double of the second seco		Note-IHC: suggested antigen	etrieval with		
Jian Zhang       36465115       iScience       WB         Caraline Sepich-Poore       35033535       J Biol Chem       WB         Yanchuang Han       35295259       Front Cardiovasc Med       WB         Storage:       Storage:       Storage 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       Laborational storage		TE buffer pH 9.0; (*) Alternati retrieval may be performed w	vely, antigen		
Jian Zhang       36465115       iScience       WB         Caraline Sepich-Poore       35033535       J Biol Chem       WB         Yanchuang Han       35295259       Front Cardiovasc Med       WB         Storage:       Storage:       Storage 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       Laborational storage	Background Information	TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0 METTL5 is a member of the METTL fa to a specific site, nucleotide A-1832	vely, antigen vith citrate mily of S-adenosyl-meti	•	-
Caraline Sepich-Poore       35033535       J Biol Chem       WB         Yanchuang Han       35295259       Front Cardiovasc Med       WB         Storage:       Storage 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		TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0 METTL5 is a member of the METTL fa to a specific site, nucleotide A-1832 nucleolus and cytoplasm.	vely, antigen vith citrate mily of S-adenosyl-met of 18S rRNA, hereafter re	eferred to as m	6A1832. METTL5 is localized in the
Yanchuang Han       35295259       Front Cardiovasc Med       WB         Storage:       Storage:       Store at -20°C. Stable for one year after shipment.       Storage Buffer:         Storage Buffer:       PBS with 0.02% sodium azide and 50% glycerol pH 7.3.       Aliquoting is unnecessary for -20°C storage		TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0METTL5 is a member of the METTL fa to a specific site, nucleotide A-1832 nucleolus and cytoplasm.AuthorPu	wely, antigen with citrate mily of S-adenosyl-meti of 185 rRNA, hereafter re bmed ID Journa	eferred to as m	6A1832. METTL5 is localized in the Application
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage		TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0METTL5 is a member of the METTL fa to a specific site, nucleotide A-1832 nucleolus and cytoplasm.AuthorPu Jian ZhangJian Zhang36	vely, antigen vith citrate mily of S-adenosyl-meti of 185 rRNA, hereafter re bmed ID Journa 465115 iScien	eferred to as m al	6A1832. METTL5 is localized in the Application WB
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	Notable Publications	TE buffer pH 9.0; (*) Alternatively retrieval may be performed with buffer pH 6.0         METTL5 is a member of the METTL fattor a specific site, nucleotide A-1832 on nucleolus and cytoplasm.         Author       Put Jian Zhang         Jian Zhang       36         Caraline Sepich-Poore       35         Yanchuang Han       35         Storage:       Storage:	vely, antigen vith citrate mily of S-adenosyl-met of 18S rRNA, hereafter re bmed ID Journa 465115 iScien 033535 J Biol 295259 Front O	aferred to as m al ce Chem	6A1832. METTL5 is localized in the Application WB WB
*** 20ul sizes contain 0.1% BSA	Notable Publications	TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0METTL5 is a member of the METTL fa to a specific site, nucleotide A-1832 nucleolus and cytoplasm.AuthorPu Jian ZhangJian Zhang36Caraline Sepich-Poore35Yanchuang Han35Storage: Storage Buffer:	vely, antigen vith citrate mily of S-adenosyl-meto of 18S rRNA, hereafter re bmed ID Journa 465115 iScien 033535 J Biol 295259 Front ( eer shipment.	aferred to as m al ce Chem	6A1832. METTL5 is localized in the Application WB WB
	Notable Publications	TE buffer pH 9.0; (*) Alternati         retrieval may be performed w         buffer pH 6.0         METTL5 is a member of the METTL fa         to a specific site, nucleotide A-1832         nucleolus and cytoplasm.         Author       Pu         Jian Zhang       36         Caraline Sepich-Poore       35         Yanchuang Han       35         Storage:       Storage Buffer:         PBS with 0.02% sodium azide and 50	vely, antigen vith citrate mily of S-adenosyl-meto of 18S rRNA, hereafter re bmed ID Journa 465115 iScien 033535 J Biol 295259 Front ( ter shipment.	aferred to as m al ce Chem	6A1832. METTL5 is localized in the Application WB WB
	Notable Publications	TE buffer pH 9.0; (*) Alternati         retrieval may be performed w         buffer pH 6.0         METTL5 is a member of the METTL fa         to a specific site, nucleotide A-1832         nucleolus and cytoplasm.         Author       Pu         Jian Zhang       36         Caraline Sepich-Poore       35         Yanchuang Han       35         Storage:       Storage Buffer:         PBS with 0.02% sodium azide and 50	vely, antigen vith citrate mily of S-adenosyl-meto of 18S rRNA, hereafter re bmed ID Journa 465115 iScien 033535 J Biol 295259 Front ( ter shipment.	aferred to as m al ce Chem	6A 1832. METTL5 is localized in the Application WB WB

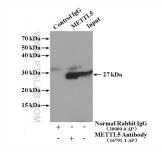
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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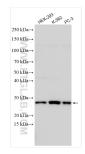
## Selected Validation Data



WB result of METTL5 antibody (16791-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-METTL5 transfected K-562 cells.



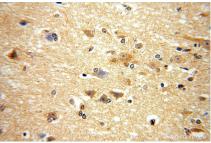
IP result of anti-METTL5 (IP:16791-1-AP, 4ug; Detection:16791-1-AP 1:500) with PC-3 cells lysate 3840 ug.



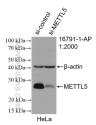
Various lysates were subjected to SDS PAGE followed by western blot with 16791-1-AP (METTL5 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human brain using 16791-1-AP (METTL5 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human brain using 16791-1-AP (METTL5 antibody) at dilution of 1:100 (under 40x 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°C Ethanol) fixed HepG2 cells using METTL5 antibody (16791-1-AP) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594phalloidin (red).