

Rabbit anti-Human METTL14 Polyclonal Antibody | anti-METTL14 antibody

METTL14 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28216	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

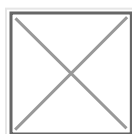
PRODUCT SYNONYMS

METTL14; Polyclonal Antibody; METTL14 Polyclonal Antibody; anti-METTL14 antibody

PRODUCT SPECIFICATIONS

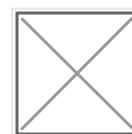
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	456
Applicable Applications for anti-METTL14 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human METTL14 (NP_066012.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



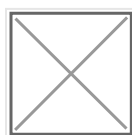
IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using METTL14 Rabbit pAb (AAA28216) at dilution of 1:25 (40x lens). Blue: DAPI for nuclear staining.



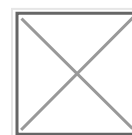
IF (Immunofluorescence)

Immunofluorescence analysis of A-549 cells using METTL14 Rabbit pAb (AAA28216) at dilution of 1:25 (40x lens). Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using METTL14 Rabbit pAb (AAA28216) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon using METTL14 Rabbit pAb (AAA28216) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using METTL14 Rabbit pAb (AAA28216) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon using METTL14 Rabbit pAb (AAA28216) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

ADDITIONAL INFORMATION

Related Product Information for anti-METTL14 antibody

Background: The METTL3-METTL14 heterodimer forms a N6-methyltransferase complex that methylates adenosine residues at the N6 position of some mRNAs and regulates the circadian clock, differentiation of embryonic stem cells and cortical neurogenesis. In the heterodimer formed with METTL3, METTL14 constitutes the RNA-binding scaffold that recognizes the substrate rather than the catalytic core. N6-methyladenosine (m6A, which takes place at the 5'-[AG]GAC-3' consensus sites of some mRNAs, plays a role in mRNA stability and processing. M6A acts as a key regulator of mRNA stability by promoting mRNA destabilization and degradation (By similarity. In embryonic stem cells (ESCs, m6A methylation of mRNAs encoding key naive pluripotency-promoting transcripts results in transcript destabilization (By similarity. M6A regulates spermatogonial differentiation and meiosis and is essential for male fertility and spermatogenesis (By similarity. M6A also regulates cortical neurogenesis: m6A methylation of transcripts related to transcription factors, neural stem cells, the cell cycle and neuronal differentiation during brain development promotes their destabilization and decay, promoting differentiation of radial glial cells (By similarity).

Product Categories/Family for anti-METTL14 antibody

Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	24308265
NCBI GeneID	57721
NCBI Accession #	NP_066012.1
NCBI GenBank Nucleotide #	NM_020961.3
UniProt Accession #	Q9HCE5; Q969V2; A6NIG1
Molecular Weight	Observed MW: 65KDa Calculated MW: 52kDa
NCBI Official Full Name	N6-adenosine-methyltransferase subunit METTL14
NCBI Official Synonym Full Names	methyltransferase like 14
NCBI Official Symbol	METTL14
NCBI Protein Information	N6-adenosine-methyltransferase subunit METTL14
UniProt Protein Name	N6-adenosine-methyltransferase subunit METTL14
UniProt Gene Name	METTL14
UniProt Synonym Gene Names	KIAA1627
UniProt Entry Name	MET14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mettl14-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/28216>