

METTL11A Rabbit pAb

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Catalog # AP58368

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BV86
Reactivity	Rat, Mouse
Predicted	Pig, Dog, Human, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25387
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human METTL11A
Epitope Specificity	25-130/223
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Note=Predominantly nuclear.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Alpha-N-methyltransferase that methylates the N-terminus of target proteins containing the N-terminal motif [Ala/Pro/Ser]-Pro-Lys when the initiator Met is cleaved. Specifically catalyzes mono-, di- or tri-methylation of exposed alpha-amino group of Ala, Pro or Ser residue in the [Ala/Pro/Ser]-Pro-Lys motif. Mediates the N-terminal methylation of KLHL31, MYL2, MYL3, RB1, RCC1, RPL23A and SET. Required during mitosis for normal bipolar spindle formation and chromosome segregation.

Additional Information

Gene ID	28989
Other Names	N-terminal Xaa-Pro-Lys N-methyltransferase 1, 2.1.1.244, Alpha N-terminal protein methyltransferase 1A, Methyltransferase-like protein 11A, N-terminal RCC1 methyltransferase, X-Pro-Lys N-terminal protein methyltransferase 1A, NTM1A, N-terminal Xaa-Pro-Lys N-methyltransferase 1, N-terminally processed, NTMT1, C9orf32, METTL11A, NRMT, NRMT1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

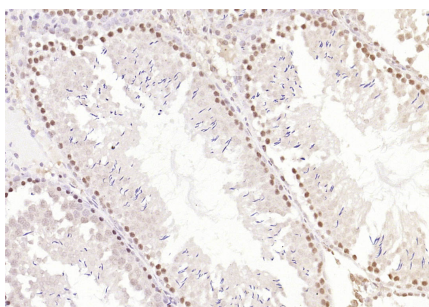
Protein Information

Name	NTMT1
Synonyms	C9orf32, METTL11A, NRMT, NRMT1
Function	Distributive alpha-N-methyltransferase that methylates the N- terminus of target proteins containing the N-terminal motif [Ala/Gly/Pro/Ser]-Pro-Lys when the initiator Met is cleaved. Specifically catalyzes mono-, di- or tri-methylation of the exposed alpha-amino group of the Ala, Gly or Ser residue in the [Ala/Gly/Ser]- Pro-Lys motif and mono- or di-methylation of Pro in the Pro-Pro-Lys motif. Some of the substrates may be primed by NTMT2-mediated monomethylation (PubMed: 24090352). Catalyzes the trimethylation of the N-terminal Gly in CENPA (after removal of Met-1). Responsible for the N-terminal methylation of KLHL31, MYL2, MYL3, RB1, RCC1, RPL23A and SET. Required during mitosis for normal bipolar spindle formation and chromosome segregation via its action on RCC1.
Cellular Location	Nucleus. Note=Predominantly nuclear (PubMed:24090352)

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 30min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (METTL11A) Polyclonal Antibody, Unconjugated (AP58368) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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