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METTL11B Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12508a

Product Information

Application	WB, E
Primary Accession	Q5VVY1
Other Accession	D3ZVR1, B2RXM4, NP_001129579.1
Reactivity	Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31225
Calculated MW	32400
Antigen Region	14-42

Additional Information

Gene ID	149281
Other Names	Alpha N-terminal protein methyltransferase 1B, Methyltransferase-like protein 11B, X-Pro-Lys N-terminal protein methyltransferase 1B, NTM1B, METTL11B, C1orf184, NRMT2
Target/Specificity	This METTL11B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-42 amino acids from the N-terminal region of human METTL11B.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	METTL11B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NTMT2 (HGNC:31932)
Function	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 monomethylation of exposed alpha-amino group of Ala or Ser residue in the [Ala/Ser]-Pro-Lys motif and Pro in the Pro-Pro-Lys motif (PubMed:24090352, PubMed:30417120). Predominantly functions as a mono- methyltransferase but is also able to di-/tri-methylate the GPKRIA peptide and di-methylate the PPKRIA peptide (in vitro) (PubMed:30417120). May activate NTMT1 by priming its substrates for trimethylation (PubMed:24090352).

Cellular Location Nucleus.

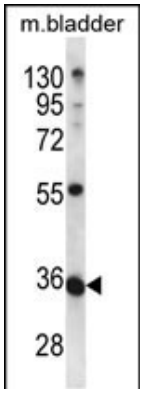
Background

METTL11B is 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 (By similarity).

References

Gregory, S.G., et al. Nature 441(7091):315-321(2006)

Images



METTL11B Antibody (N-term) (Cat. #AP12508a) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the METTL11B antibody detected the METTL11B protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.