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METTL2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11952B

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	Q96IZ6
Other Accession	Q8BMK1, Q0P5B2, Q6P1Q9, A8KBL7, NP_859076.3
Reactivity	Human
Predicted	Zebrafish, Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12378
Calculated MW	43537
Antigen Region	329-359

Additional Information

Gene ID	339175
Other Names	Methyltransferase-like protein 2A, 211-, METTL2A, METTL2
Target/Specificity	This METTL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 329-359 amino acids from the C-terminal region of human METTL2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	METTL2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	METTL2A {ECO:0000303|PubMed:28655767, ECO:0000312|HGNC:HGNC:25755}
Function	S-adenosyl-L-methionine-dependent methyltransferase that mediates

N(3)-methylcytidine modification of residue 32 of the tRNA anticodon loop of tRNA(Thr)(UGU) and tRNA(Arg)(CCU) (PubMed:28655767, PubMed:34268557). N(3)-methylcytidine methylation by METTL2A requires the N6-threonylcarbamoylation of tRNA (t6A37) by the EKC/KEOPS complex as prerequisite (PubMed:34268557).

Cellular Location Cytoplasm.

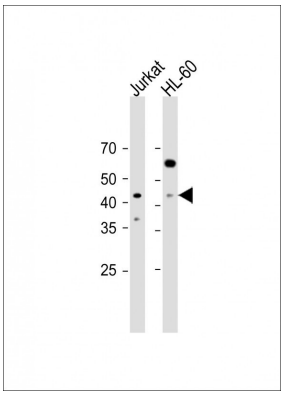
Background

METTL2A is probable methyltransferase (By similarity).

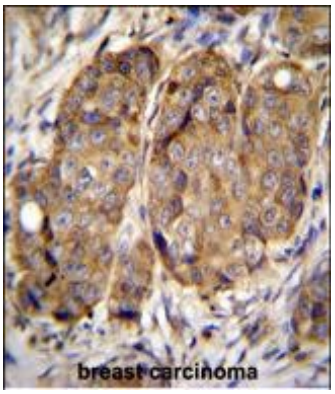
References

Zody, M.C., et al. Nature 440(7087):1045-1049(2006)

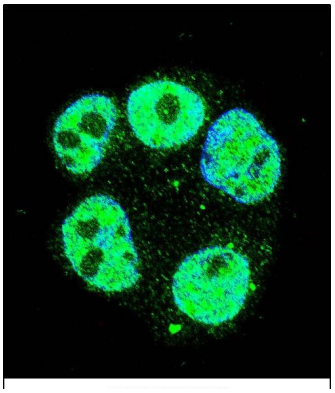
Images



All lanes: Anti-METTL2 Antibody (C-term) at 1:500 dilution Lane 1: SH-SY5Y whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 43 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



METTL2 Antibody (C-term) (Cat. #AP11952b)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of METTL2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal immunofluorescent analysis of METTL2 Antibody (C-term)(Cat#AP11952b) with ZR-75-1 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

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