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METTL7A Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS13008

Specification

METTL7A Antibody (Internal) - Product Information

Application	**WB, IHC, ICC**
Primary Accession	Q9H8H3
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**28kDa KDa**

METTL7A Antibody (Internal) - Additional Information

Gene ID 25840

Other Names
Methyltransferase-like protein 7A, 2.1.1.-, Protein AAM-B, METTL7A

Target/Specificity
At least two isoforms of MettL7A are known to exisit. This antibody is predicted to not cross-react with MettL7B.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
METTL7A Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

METTL7A Antibody (Internal) - Protein Information

Name TMT1A {ECO:0000303|PubMed:37137720, ECO:0000312|HGNC:HGNC:24550}

Function
Thiol S-methyltransferase that catalyzes the transfer of a methyl group from S-adenosyl-L-methionine to alkyl and phenolic thiol- containing acceptor substrates. Together with TMT1B accounts for most of S-thiol methylation activity in the endoplasmic reticulum of hepatocytes (PubMed:37137720). Able to methylate the N6 position of adenosine residues in long non-coding RNAs (lncRNAs) (PubMed:34980213). May facilitate lncRNAs transfer into exosomes at the tumor-stroma interface (PubMed:34980213). Promotes osteogenic and odontogenic differentiation by regulating the expression of genes involved in stem cell differentiation and survival (PubMed:34226523, PubMed:34790668). Targeted

from the endoplasmic reticulum to lipid droplets, where it recruits cellular proteins to form functional organelles (PubMed:19773358).

Cellular Location
Lipid droplet. Endoplasmic reticulum. Membrane. Microsome Cytoplasm, cytosol. Note=Inserted in the ER membrane and migrates from the inserted site to lipid droplet

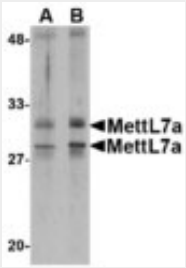
Tissue Location
Expressed in the liver.

METTL7A Antibody (Internal) - Protocols

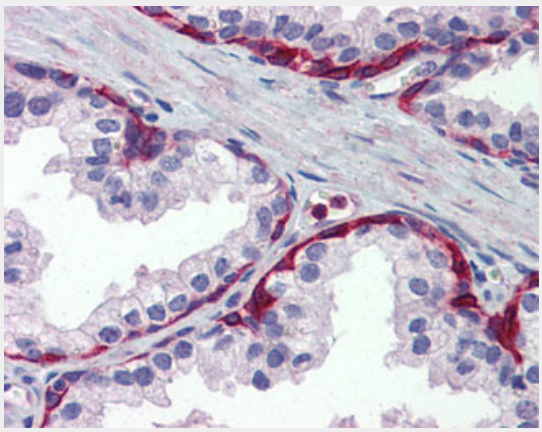
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

METTL7A Antibody (Internal) - Images



Western blot of MettL7A in MCF cell lysate with MettL7A antibody at 2 ug/ml.



Anti-METTL7A antibody IHC of human prostate.

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Immunocytochemistry in MCF7 cells with MettL7a antibody at 2 µg/ml.

METTL7A Antibody (Internal) - Background

Probable methyltransferase.

METTL7A Antibody (Internal) - References

Gratchev A.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Zhang C.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.