

METTL7A Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP1454c**Specification**

METTL7A Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9H8H3](#)**METTL7A Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 25840**Other Names**

Methyltransferase-like protein 7A, 211-, Protein AAM-B, METTL7A

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1454c](/product/products/AP1454c) was selected from the Center region of human METTL7A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

METTL7A Antibody (Center) Blocking Peptide - 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](http://www.uniprot.org/citations/37137720)). Able to methylate the N6 position of adenosine residues in long non-coding RNAs (lncRNAs). May facilitate lncRNAs transfer into exosomes at the tumor-stroma interface (PubMed: [34980213](http://www.uniprot.org/citations/34980213)). Promotes osteogenic and odontogenic differentiation by regulating the expression of genes involved in stem cell differentiation and survival (PubMed: [34226523](http://www.uniprot.org/citations/34226523), PubMed: [34790668](http://www.uniprot.org/citations/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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

METTL7A Antibody (Center) Blocking Peptide - Images**METTL7A Antibody (Center) Blocking Peptide - Background**

METTL7A is a methyltransferase-like protein and members of this family are SAM dependent methyltransferases.

METTL7A Antibody (Center) Blocking Peptide - References

Clark,H.F.,Genome Res. 13 (10), 2265-2270 (2003)