
MET10 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10007b

Specification

**MET10 Antibody (C-term) Blocking peptide -
Product Information**

Primary Accession [Q86W50](#)
Other Accession [NP_076991.3](#)
Clone Names **91208273**
Peptide ID **91208273**

**MET10 Antibody (C-term) Blocking peptide -
Additional Information**

Gene ID 79066

Other Names

Methyltransferase-like protein 16, 211-,
Methyltransferase 10 domain-containing
protein, METTL16, METT10D

Format

Synthetic peptide was lyophilized with 100%
acetonitrile and is supplied as a powder.
Reconstitute with 0.1 ml DI water for a final
concentration of 1 mg/ml.

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.

**MET10 Antibody (C-term) Blocking peptide -
Protein Information**

Name MET16

Function

RNA N6-methyltransferase that methylates
adenosine residues at the N(6) position of a
subset of RNAs and is involved in
S-adenosyl-L-methionine homeostasis by
regulating expression of MAT2A transcripts
(PubMed: [28525753](http://www.uniprot.org/citations/28525753), PubMed: [30197299](http://www.uniprot.org/citations/30197299),
PubMed: [30197297](http://www.uniprot.org/citations/30197297)
[30197297](http://www.uniprot.org/citations/30197297)). Able to
N6-methylate a subset of mRNAs and U6
small nuclear RNAs (U6 snRNAs) (PubMed: [30197297](http://www.uniprot.org/citations/30197297))

href="http://www.uniprot.org/citations/28525753" target="_blank">28525753). In contrast to the METTL3-METTL14 heterodimer, only able to methylate a limited number of RNAs: requires both a 5'UACAGAGAA-3' nonamer sequence and a specific RNA structure (PubMed:28525753, PubMed:30197299, PubMed:30197297). Plays a key role in S-adenosyl-L-methionine homeostasis by mediating N6-methylation of MAT2A mRNAs, altering splicing and/or stability of MAT2A transcripts: in presence of S-adenosyl-L-methionine, binds the 3'-UTR region of MAT2A mRNA and specifically N6-methylates the first hairpin of MAT2A mRNA, impairing MAT2A expression (PubMed:28525753). In S-adenosyl-L-methionine-limiting conditions, binds the 3'-UTR region of MAT2A mRNA but stalls due to the lack of a methyl donor, preventing N6-methylation and promoting expression of MAT2A (PubMed:28525753). In addition to mRNAs, also able to mediate N6-methylation of U6 small nuclear RNA (U6 snRNA): specifically N6-methylates adenine in position 43 of U6 snRNAs (PubMed:28525753, PubMed:29051200). Also able to bind various lncRNAs (PubMed:29051200). Specifically binds the 3'-end of the MALAT1 long non-coding RNA (PubMed:27872311).

Cellular Location

Nucleus.

MET10 Antibody (C-term) Blocking peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)