

HCM (RNMT) Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP1026a**Specification**

HCM (RNMT) Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [O43148](#)**HCM (RNMT) Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 8731

Other Names

mRNA cap guanine-N7 methyltransferase, RG7MT1, mRNA (guanine-N(7)-)-methyltransferase, mRNA cap methyltransferase, hCMT1, hMet, hcm1p, RNMT, KIAA0398

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1026a](/product/products/AP1026a) was selected from the N-term region of human RNMT. 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.

HCM (RNMT) Antibody (N-term) Blocking peptide - Protein Information

Name RNMT

Synonyms KIAA0398

Function

Catalytic subunit of the mRNA-capping methyltransferase RNMT:RAMAC complex that methylates the N7 position of the added guanosine to the 5'-cap structure of mRNAs (PubMed: [9790902](http://www.uniprot.org/citations/9790902), PubMed: [9705270](http://www.uniprot.org/citations/9705270), PubMed: [10347220](http://www.uniprot.org/citations/10347220), PubMed: [11114884](http://www.uniprot.org/citations/11114884), PubMed: [22099306](http://www.uniprot.org/citations/22099306), PubMed: [27422871](http://www.uniprot.org/citations/27422871)). Binds RNA containing 5'-terminal GpppC (PubMed: [11114884](http://www.uniprot.org/citations/11114884))

target="_blank">11114884).

Cellular Location

Nucleus

Tissue Location

Widely expressed.

HCM (RNMT) Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HCM (RNMT) Antibody (N-term) Blocking peptide - Images**HCM (RNMT) Antibody (N-term) Blocking peptide - Background**

RNMT is an mRNA-capping methyltransferase that methylates the N7 position of the added guanosine to the 5'-cap structure of mRNAs. This protein binds RNA containing 5'-terminal GpppC.

HCM (RNMT) Antibody (N-term) Blocking peptide - References

Tsukamoto T., Biochem. Biophys. Res. Commun. 251:27-34(1998). Pillutla R.C., J. Biol. Chem. 273:21443-21446(1998).