10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

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

Primary 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 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, PubMed:9705270, PubMed:10347220, PubMed:11114884, PubMed:22099306, PubMed:27422871). Binds RNA containing 5'-terminal GpppC (PubMed:<a href="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).