

RNMT Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant RNMT.****Catalog # AT3679a****Specification**

RNMT Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, IHC, E
Primary Accession	O43148
Other Accession	BC036798
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	54844

RNMT Antibody (monoclonal) (M01) - 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

RNMT (AAH36798, 1 a.a. ~ 476 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

RNMT Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

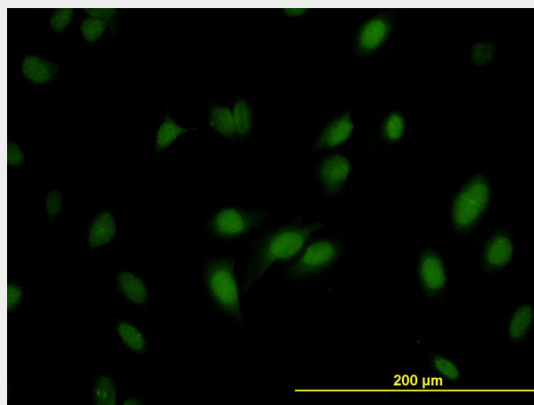
RNMT Antibody (monoclonal) (M01) - Protocols

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

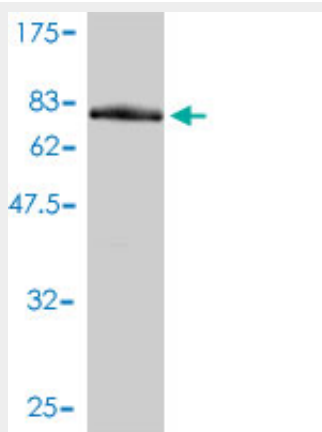
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

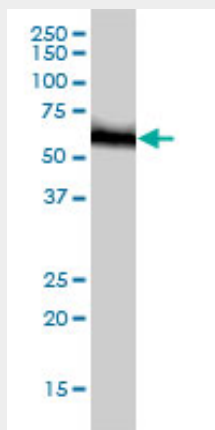
RNMT Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to RNMT on HeLa cell. [antibody concentration 10 ug/ml]

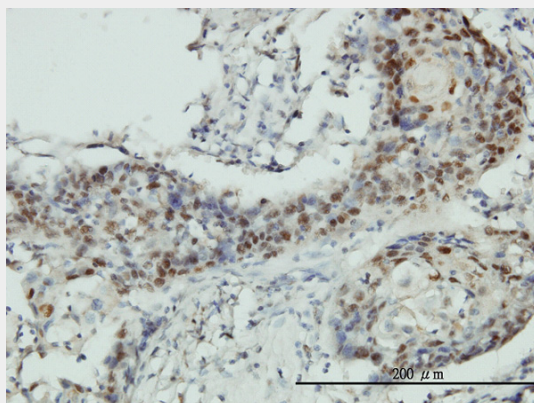


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (78.1 kDa) .

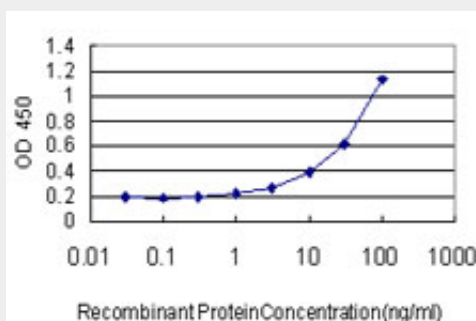


RNMT monoclonal antibody (M01), clone 3H3-1D12 Western Blot analysis of RNMT expression in

HeLa ((Cat # AT3679a)



Immunoperoxidase of monoclonal antibody to RNMT on formalin-fixed paraffin-embedded human squamous cell carcinoma tissue. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged RNMT is approximately 1ng/ml as a capture antibody.

RNMT Antibody (monoclonal) (M01) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. An association study of 45 folate-related genes in spina bifida: Involvement of cubilin (CUBN) and tRNA aspartic acid methyltransferase 1 (TRDMT1). Franke B, et al. Birth Defects Res A Clin Mol Teratol, 2009 Mar. PMID 19161160. Human mRNA cap methyltransferase: alternative nuclear localization signal motifs ensure nuclear localization required for viability. Shafer B, et al. Mol Cell Biol, 2005 Apr. PMID 15767670. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.