

# RNMT Polyclonal antibody

Catalog Number: 13743-1-AP

Featured Product

3 Publications

## Basic Information

## Catalog Number:

13743-1-AP

## Size:

150ul, Concentration: 400 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG4682

## GenBank Accession Number:

BC036798

## GeneID (NCBI):

8731

## Full Name:

RNA (guanine-7-) methyltransferase

## Calculated MW:

476 aa, 55 kDa

## Observed MW:

55 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF 1:20-1:200

## Applications

## Tested Applications:

IF, IHC, WB, ELISA

## Cited Applications:

ColP, WB

## Species Specificity:

human, mouse

## Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB : human kidney tissue, HeLa cells, human liver tissue

IHC : human colon cancer tissue,

IF : HeLa cells,

## Background Information

RNMT, also named as mRNA cap guanine-N7 methyltransferase or KIAA0398, is a 476 amino acid protein, which contains one mRNA cap 0 methyltransferase domain and belongs to the class I-like SAM-binding methyltransferase superfamily. mRNA cap 0 methyltransferase family. RNMT localizes in the nucleus and is widely expressed in various tissues. RNMT as a mRNA-capping methyltransferase that methylates the N7 position of the added guanosine to the 5'-cap structure of mRNAs and binds RNA containing 5'-terminal GpppC.

## Notable Publications

Author	Pubmed ID	Journal	Application
Michael J Osborne	35026230	J Mol Biol	WB, ColP
Fustin Jean-Michel JM	24209618	Cell	WB
Daniel Del Valle Morales	31996904	Nucleic Acids Res	WB

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

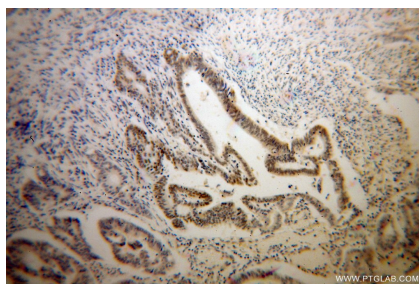
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

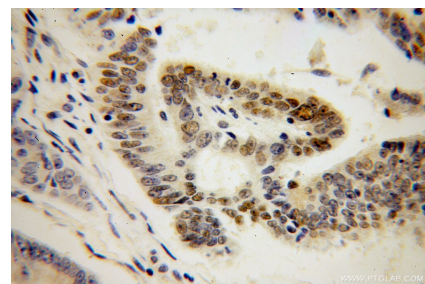
## Selected Validation Data



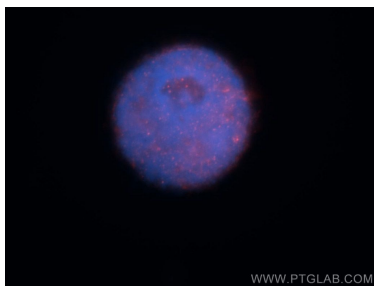
human kidney tissue were subjected to SDS PAGE followed by western blot with 13743-1-AP (RNMT antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 13743-1-AP (RNMT antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 13743-1-AP (RNMT antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using RNMT antibody 13743-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).