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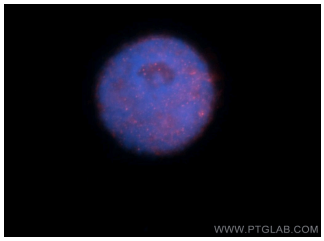
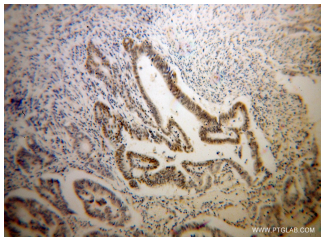
RNMT Polyclonal Antibody

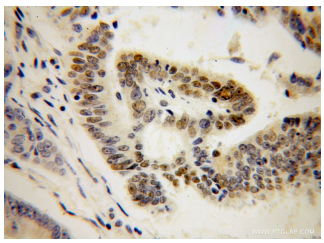
Catalog number: 13743-1-AP
Size: 41 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
RNMT; DKFZp686H1252, hcm1p, hCMT1, hCMT1c, hMet, KIAA0398, MET, mRNA cap methyltransferase, RG7MT1, RNMT



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).



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



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

Background

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.

Applications

Tested applications:	**ELISA, WB, IHC, IF**
Cited applications:	**WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human**
Caculated RNMT MW:	**476aa,55 kDa**
Observed RNMT MW:	**55 kDa**
Positive WB detected in	**Human kidney tissue, HeLa cells, human liver tissue**
Positive IHC detected in	**Human colon cancer tissue**
Positive IF detected in	**Hela cells**
Recommended dilution:	**WB: 1:200-1:2000**
	IHC: 1:20-1:200
	IF: 1:20-1:200

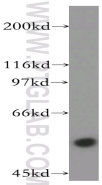
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag4682**
GenBank accession number:	**BC036798**
Gene ID (NCBI):	**8731**
Full name:	**RNA (guanine-7-) methyltransferase**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**



human kidney tissue were subjected to SDS PAGE followed by western blot with 13743-1-AP(RNMT antibody) at dilution of 1:300