

For Research Use Only

RNMTL1 Polyclonal antibody

Catalog Number: 14707-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

14707-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6399

GenBank Accession Number:

BC050614

GeneID (NCBI):

55178

UNIPROT ID:

Q9HC36

Full Name:

RNA methyltransferase like 1

Calculated MW:

47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse

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 : HeLa cells, HEK-293 cells

IHC : human liver tissue,

IF/ICC : HeLa cells,

Background Information

The RNA methyltransferase like 1 gene (RNMTL1) is one of thirteen newly discovered genes within a 116 Kb segment of the chromosome 17p13.3, which suffers from a high frequent loss of heterozygosity in human hepatocellular carcinoma. Its amino acid sequence was identified a high conserved region with methylases from various microorganisms, suggesting to have function to transfer methyl group to rRNA molecule [PMID:12296377].

Notable Publications

Author	Pubmed ID	Journal	Application
Lee Ken-Wing KW	24036117	J Biol Chem	WB,IF

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

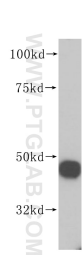
For technical support and original validation data for this product please contact:

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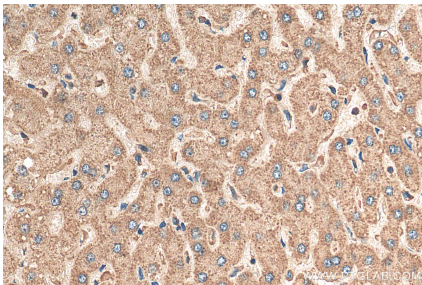
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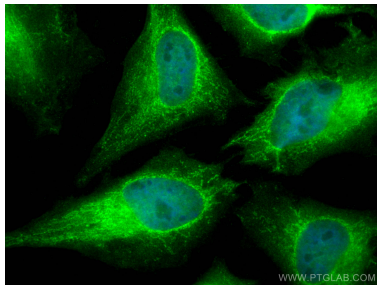
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 14707-1-AP (RNMTL1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14707-1-AP (RNMTL1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using RNMTL1 antibody (14707-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).