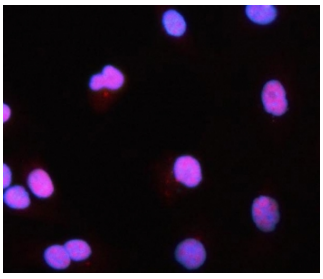
HRMT1L2 Antibody / PRMT1 (RQ8050)

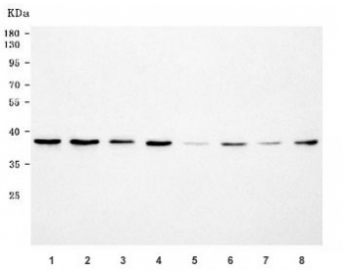
Catalog No.	Formulation	Size
RQ8050	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

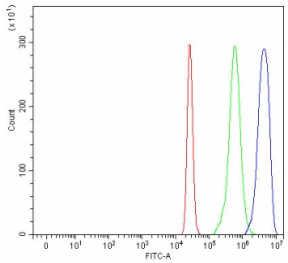
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q99873
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This HRMT1L2 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with HRMT1L2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HepG2, 2) human A549, 3) human HeLa, 4) human 293T, 5) rat brain, 6) rat RH35, 7) mouse brain and 8) mouse Neuro-2a cell lysate with HRMT1L2 antibody. Predicted molecular weight: 40-42 kDa (multiple isoforms).



Flow cytometry testing of fixed and permeabilized human U937 cells with HRMT1L2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HRMT1L2 antibody.

Description

Protein arginine N-methyltransferase 1, also called Heterogeneous nuclear ribonucleoprotein methyltransferase 1 like 2 (HRMT1L2) is an enzyme that in humans is encoded by the PRMT1 gene. It is mapped to 19q13.33. This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. The encoded protein is a type I PRMT and is responsible for the majority of cellular arginine methylation activity. Increased expression of this gene may play a role in many types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5.

Application Notes

Optimal dilution of the HRMT1L2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-H311) was used as the immunogen for the HRMT1L2 antibody.

Storage

After reconstitution, the HRMT1L2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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