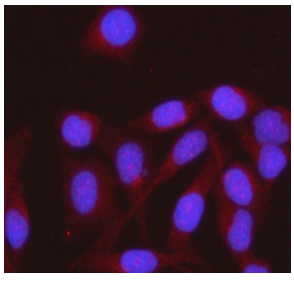
HENMT1 Antibody / HEN1 methyltransferase homolog 1 (RQ8657)

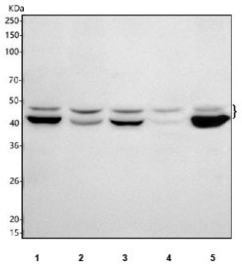
Catalog No.	Formulation	Size
RQ8657	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

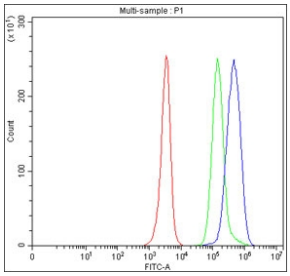
Availability	1-3 days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q5T8I9
Localization	Cytoplasm
Applications	Western blot: 1-2ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This HENMT1 antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with HENMT1 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human Jurkat, 2) human MCF7, 3) human HEL, 4) mouse testis and 5) mouse RAW264.7 cell lysate with HEMT1 antibody. Predicted molecular weight ~45 kDa with multiple isoforms.



Flow cytometry testing of fixed and permeabilized human JK cells with HENMT1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HENMT1 antibody.

Description

Small RNA 2'-O-methyltransferase/HENMT1 is a methyltransferase that adds a 2'-O-methyl group at the 3'-end of piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements. This probably protects the 3'-end of piRNAs from uridylation activity and subsequent degradation. Stabilization of piRNAs is essential for gametogenesis.

Application Notes

Optimal dilution of the HENMT1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids Q45-D388) was used as the immunogen for the HENMT1 antibody.

Storage

After reconstitution, the HENMT1 Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.