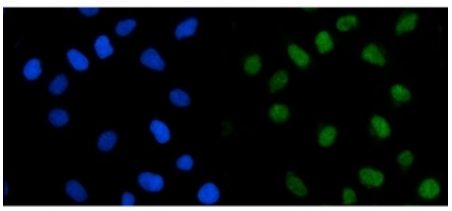
TRMT1 Antibody (RQ6689)

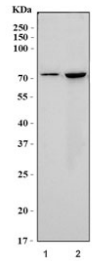
Catalog No.	Formulation	Size
RQ6689	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

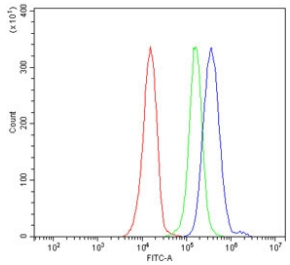
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NXH9
Localization	Nuclear
Applications	Western blot: 1-2ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This TRMT1 antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with TRMT1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) Jurkat and 2) 293T cell lysate with TRMT1 antibody. Predicted molecular weight ~72 kDa.



Flow cytometry testing of human JK-1 cells with TRMT1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TRMT1 antibody.

Description

This gene encodes a tRNA-modifying enzyme that acts as a dimethyltransferase, modifying a single guanine residue at position 26 of the tRNA. The encoded enzyme has both mono- and dimethylase activity when exogenously expressed, and uses S-adenosyl methionine as a methyl donor. The C-terminal region of the encoded protein has both a zinc finger motif, and an arginine/proline-rich region. Mutations in this gene have been implicated in autosomal recessive intellectual disorder (ARID). Alternative splicing results in multiple transcript variants encoding different isoforms. There is a pseudogene of this gene on the X chromosome.

Application Notes

Optimal dilution of the TRMT1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids A61-P626) was used as the immunogen for the TRMT1 antibody.

Storage

After reconstitution, the TRMT1 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.