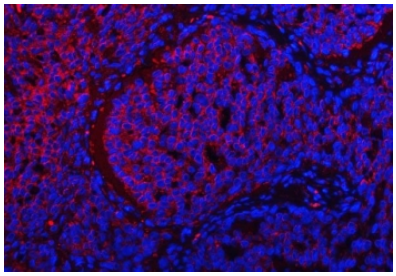
TRMT2B Antibody / tRNA (uracil-5-)-methyltransferase homolog B (RQ7567)

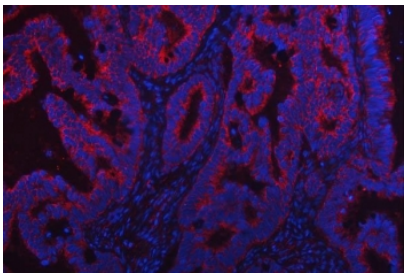
Catalog No.	Formulation	Size
RQ7567	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

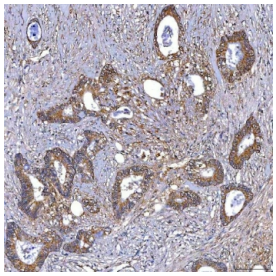
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96GJ1
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This TRMT2B antibody is available for research use only.



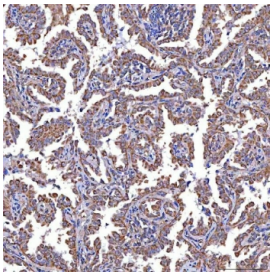
Immunofluorescent staining of FFPE human lung squamous cell carcinoma with TRMT2B antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



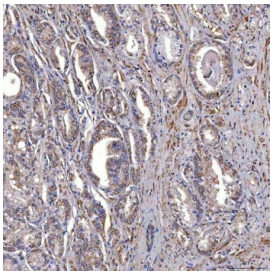
Immunofluorescent staining of FFPE human rectal cancer with TRMT2B antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



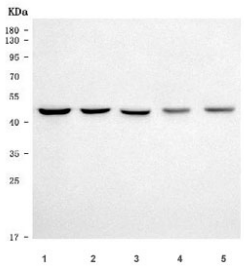
IHC staining of FFPE human colon cancer tissue with TRMT2B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



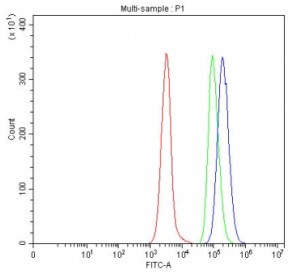
IHC staining of FFPE human lung cancer tissue with TRMT2B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human prostate cancer tissue with TRMT2B antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HepG2, 2) human MOLT-4, 3) human MCF7, 4) rat heart and 5) mouse heart tissue lysate with TRMT2B antibody. Predicted molecular weight: 51-56 kDa (multiple isoforms).



Flow cytometry testing of fixed and permeabilized human Daudi cells with TRMT2B antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TRMT2B antibody.

Description

This gene encodes a homolog of the TRM2 gene in S. cerevisiae. The yeast gene encodes a tRNA methyltransferase that plays a role in tRNA maturation. The yeast protein also has endo-exonuclease activity and may be involved in DNA double strand break repair. Alternative splicing results in multiple transcripts encoding different isoforms.

Application Notes

Optimal dilution of the TRMT2B antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-R504) was used as the immunogen for the TRMT2B antibody.

Storage

After reconstitution, the TRMT2B 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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