

**KD-Validated Anti-TRNA Methyltransferase 2 Homolog Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1296****Specification****KD-Validated Anti-TRNA Methyltransferase 2 Homolog Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">Q8IZ69</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 69 kDa; observed, 69 kDa kDa
Gene Name	TRMT2A
Aliases	TRMT2A; TRNA Methyltransferase 2 Homolog ; HTF9; TRNA (Uracil-5-)-Methyltransferase Homolog A; MRNA (Uracil-5-)-Methyltransferase TRMT2A; TRNA Methyltransferase 2 Homolog A (S. Cerevisiae); TRM2 TRNA Methyltransferase 2 Homolog A; HpaII Tiny Fragments Locus 9c Protein; HpaII Tiny Fragments Locus 9C; EC 2.1.1.35; EC 2.1.1.-
Immunogen	A synthesized peptide derived from human HTF9C

**KD-Validated Anti-TRNA Methyltransferase 2 Homolog Rabbit Monoclonal Antibody - Additional Information**Gene ID **27037****Other Names**

tRNA (uracil-5-)-methyltransferase homolog A, 2.1.1.35, mRNA (uracil-5-)-methyltransferase TRMT2A, 2.1.1.-, TRMT2A {ECO:0000303|PubMed:31361898, ECO:0000312|HGNC:HGNC:24974}

**KD-Validated Anti-TRNA Methyltransferase 2 Homolog Rabbit Monoclonal Antibody - Protein Information****Name** TRMT2A {ECO:0000303|PubMed:31361898, ECO:0000312|HGNC:HGNC:24974}**Function**

S-adenosyl-L-methionine-dependent methyltransferase that catalyzes the formation of 5-methyl-uridine in tRNAs and some mRNAs (PubMed:<a href="http://www.uniprot.org/citations/31361898" target="\_blank">31361898</a>, PubMed:<a href="http://www.uniprot.org/citations/33799331" target="\_blank">33799331</a>, PubMed:<a href="http://www.uniprot.org/citations/34556860" target="\_blank">34556860</a>). Mainly catalyzes the methylation of uridine at position 54 (m5U54) in cytosolic tRNAs (PubMed:<a href="http://www.uniprot.org/citations/31361898" target="\_blank">31361898</a>, PubMed:<a href="http://www.uniprot.org/citations/31361898" target="\_blank">31361898</a>, PubMed:<a href="http://www.uniprot.org/citations/31361898" target="\_blank">31361898</a>).

href="http://www.uniprot.org/citations/33799331" target="\_blank">33799331</a>). Also able to mediate the formation of 5-methyl-uridine in some mRNAs (PubMed:<a href="http://www.uniprot.org/citations/34123281" target="\_blank">34123281</a>).

#### Cellular Location

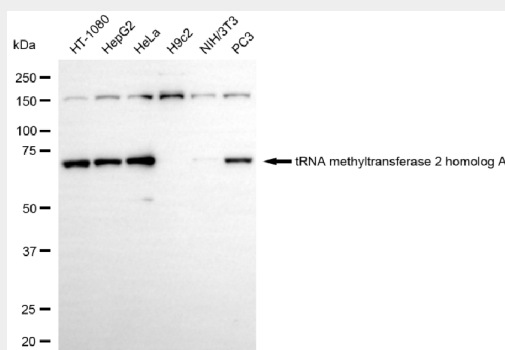
Cytoplasm, cytosol.

### KD-Validated Anti-TRNA Methyltransferase 2 Homolog Rabbit Monoclonal Antibody - Protocols

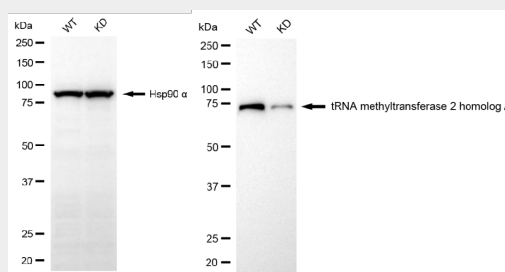
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### KD-Validated Anti-TRNA Methyltransferase 2 Homolog Rabbit Monoclonal Antibody - Images

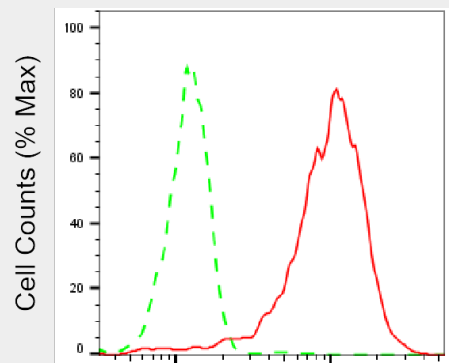


Western blotting analysis using anti-tRNA methyltransferase 2 homolog A antibody (Cat#AGI1296). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-tRNA methyltransferase 2 homolog A antibody (Cat#AGI1296, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-tRNA methyltransferase 2 homolog A antibody (Cat#AGI1296). tRNA methyltransferase 2 homolog A expression in wild type (WT) and tRNA methyltransferase 2 homolog A (TRMT2A) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-tRNA

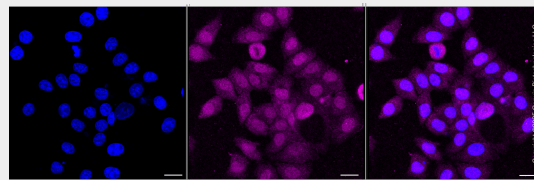
methyltransferase 2 homolog A antibody (Cat#AGI1296, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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tRNA methyltransferase 2 homolog A-  
Alexa Fluor® 647

Flow cytometric analysis of tRNA methyltransferase 2 homolog A expression in HepG2 cells using anti-tRNA methyltransferase 2 homolog A antibody (Cat#AGI1296, 1:2,000). Green, isotype control; red, tRNA methyltransferase 2 homolog A.



Immunocytochemical staining of HepG2 cells with anti-tRNA methyltransferase 2 homolog A antibody (Cat#AGI1296, 1:1,000). Nuclei were stained blue with DAPI; tRNA methyltransferase 2 homolog A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Meidum. Scale bar, 20 µm.