

Product Name: KD-Validated TRNA Methyltransferase 2 Homolog Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01447

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 68.7kDa

Antigen Information

Gene Name	TRMT2A
Alternative Names	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; HpalI Tiny Fragments Locus 9c Protein; HpalI Tiny Fragments Locus 9C; EC 2.1.1.35; EC 2.1.1.-
Gene ID	27037.0
SwissProt ID	Q8IZ69
Immunogen	A synthesized peptide derived from human HTF9C

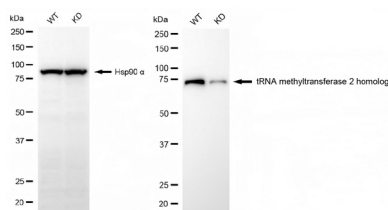
Background

The protein encoded by this gene is of unknown function. However, it is orthologous to the mouse Trmt2a gene and contains an RNA methyltransferase domain. Expression of this gene varies during the cell cycle, with aberrant expression being a possible biomarker in certain breast cancers. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

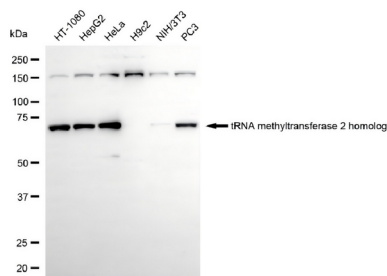
Research Area

Epigenetics and Nuclear Signaling,Cancer

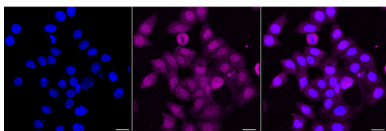
Image Data



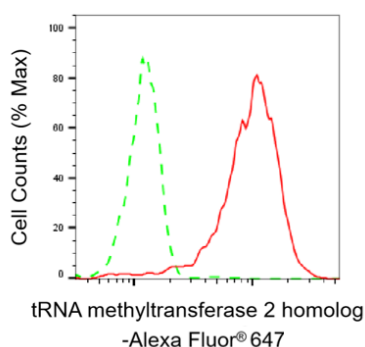
Western blotting analysis using tRNA methyltransferase 2 homolog antibody (KVAb01447). tRNA methyltransferase 2 homolog A expression in wild type (WT) and tRNA methyltransferase 2 homolog (TRMT2A) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with tRNA methyltransferase 2 homolog antibody (KVAb01447, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using tRNA methyltransferase 2 homolog antibody (KVAb01447). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with tRNA methyltransferase 2 homolog antibody (KVAb01447, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with tRNA methyltransferase 2 homolog antibody (KVAb01447, 1:1,000). Nuclei were stained blue with DAPI; tRNA methyltransferase 2 homolog 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.



Flow cytometric analysis of tRNA methyltransferase 2 homolog expression in HepG2 cells using tRNA methyltransferase 2 homolog antibody (KVAb01447, 1:2,000). Green, isotype control; red, tRNA methyltransferase 2 homolog.