

## ARG45257 anti-RG9MTD1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Polyclonal antibody recognizes RG9MTD1
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	RG9MTD1
Species	Human
Immunogen	Recombinant protein containing to human RG9MTD1.
Conjugation	Un-conjugated
Alternate Names	RG9MTD1; TRMT10C; TRNA Methyltransferase 10C, Mitochondrial RNase P Subunit; MRPP1; RG9MTD1; RNA (Guanine-9-) Methyltransferase Domain Containing 1; MRNA Methyladenosine-N(1)-Methyltransferase; TRNA (Adenine(9)-N(1))-Methyltransferase; TRNA (Guanine(9)-N(1))-Methyltransferase; Mitochondrial Ribonuclease P Protein 1; HBV Pre-S2 Trans-Regulated Protein 2; TRNA Methyltransferase 10 Homolog C; Renal Carcinoma Antigen NY-REN-49; Mitochondrial RNase P Subunit 1; FLJ20432; RNA (Guanine-9-) Methyltransferase Domain-Containing Protein 1; TRNA Methyltransferase 10 Homolog C (S. Cerevisiae); Mitochondrial RNase P Protein 1; EC 2.1.1.218; EC 2.1.1.221; EC 2.1.1.36; EC 2.1.1.-; EC 2.1.1.; COXPD30; HNVA;

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	40-45 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

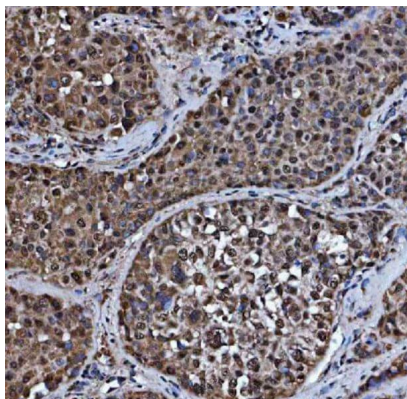
## Bioinformation

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Gene Symbol	TRMT10C
Gene Full Name	TRNA Methyltransferase 10C, Mitochondrial RNase P Subunit
Background	This gene encodes the precursor of a subunit of the mitochondrial ribonuclease P, which is involved in 5' processing of mitochondrial tRNAs. The encoded protein may confer RNA-binding capacity to mitochondrial ribonuclease P and may be essential for transcript processing, RNA modification, translation and mitochondrial respiration.[provided by RefSeq, Nov 2012]
Function	Mitochondrial tRNA N1-methyltransferase involved in mitochondrial tRNA maturation. [UniProt]
Calculated Mw	47 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Mitochondrion; Mitochondrion nucleoid [UniProt]

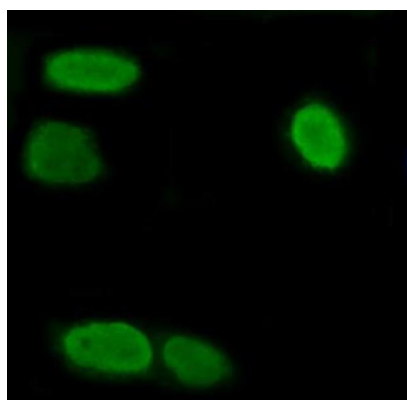
## Images

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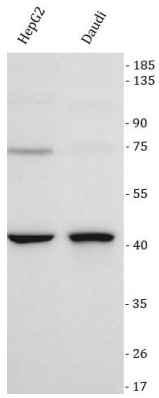
ARG45257 anti-RG9MTD1 antibody IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG45257 anti-RG9MTD1 antibody at 2 µg/ml dilution.



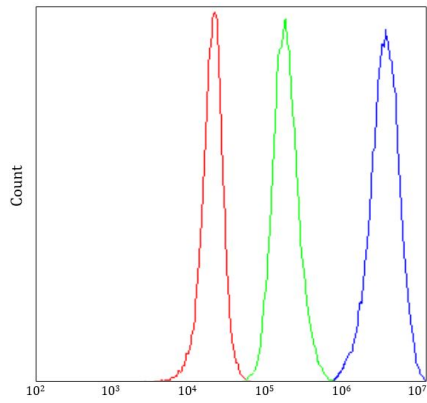
ARG45257 anti-RG9MTD1 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG45257 anti-RG9MTD1 antibody at 5 µg/ml dilution.



#### ARG45257 anti-RG9MTD1 antibody WB image

Western blot: HepG2 and Daudi stained with ARG45257 anti-RG9MTD1 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



#### ARG45257 anti-RG9MTD1 antibody FACS image

Flow Cytometry: 293T stained with ARG45257 anti-RG9MTD1 antibody at 1  $\mu\text{g}/10^6$  cells dilution.