

ARG45258 anti-TRMT61B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes TRMT61B
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	TRMT61B
Species	Human
Immunogen	Recombinant protein containing to human TRMT61B.
Conjugation	Un-conjugated
Alternate Names	TRMT61B; TRNA Methyltransferase 61B; TRNA (Adenine(58)-N(1))-Methyltransferase, Mitochondrial; MRNA Methyladenosine-N(1)-Methyltransferase; FLJ20628; Potential TRNA (Adenine(58)-N(1))-Methyltransferase Catalytic Subunit TRMT61B; Potential TRNA (Adenine-N(1))-Methyltransferase Catalytic Subunit TRMT61B; TRNA Methyltransferase 61 Homolog B (S. Cerevisiae); TRNA Methyltransferase 61 Homolog B; EC 2.1.1.220; EC 2.1.1.

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	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	57 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 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

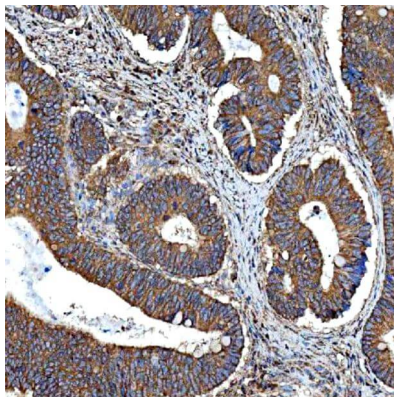
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

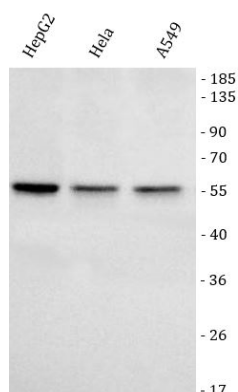
Gene Symbol	TRMT61B
Gene Full Name	TRNA Methyltransferase 61B
Background	Enables mRNA (adenine-N1-)-methyltransferase activity; rRNA (adenine) methyltransferase activity; and tRNA (adenine(58)-N1)-methyltransferase activity. Involved in mRNA processing and mitochondrial tRNA processing. Located in mitochondrial matrix. [provided by Alliance of Genome Resources, Nov 2024]
Function	Methyltransferase that catalyzes the formation of N1-methyladenine at position 58 (m1A58) in various tRNAs in mitochondrion, including tRNA(Leu) (deciphering codons UUA or UUG), tRNA(Lys) and tRNA(Ser) (deciphering codons UCA, UCU, UCG or UCC) (. [UniProt]
Calculated Mw	53 kDa
Cellular Localization	Mitochondrion. [UniProt]

Images



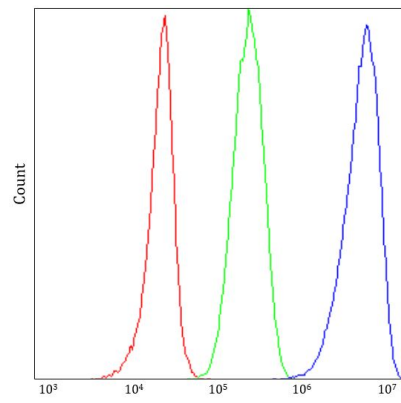
ARG45258 anti-TRMT61B antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG45258 anti-TRMT61B antibody at 2 µg/ml dilution.



ARG45258 anti-TRMT61B antibody WB image

Western blot: HepG2, HeLa, and A549 stained with ARG45258 anti-TRMT61B antibody at 0.5 µg/ml dilution.



ARG45258 anti-TRMT61B antibody FACS image

Flow Cytometry: 293T stained with ARG45258 anti-TRMT61B antibody at $1 \mu\text{g}/10^6$ cells dilution.