

TRMT61B Rabbit pAb

CatalogNo: YN6645

| Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB

MW

- 52kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen Synthesized peptide derived from human TRMT61B

Specificity This antibody detects endogenous levels of TRMT61B at Human

| Target Information

Gene name TRMT61B

Protein Name	Potential tRNA (adenine(58)-N(1))-methyltransferase catalytic subunit TRMT61B (EC 2.1.1.220)		
	Organism	Gene ID	UniProt ID
	Human	55006 ;	Q9BVS5 ;
Cellular Localization	Mitochondrion .		
Function	Methyltransferase that catalyzes the formation of N(1)-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) . Catalyzes the formation of 1-methyladenosine at position 947 of mitochondrial 16S ribosomal RNA and this modification is most likely important for mitoribosomal structure and function . In addition to tRNA N(1)-methyltransferase activity, also acts as a mRNA N(1)-methyltransferase by mediating methylation of adenosine residues at the N(1) position of MT-ND5 mRNA, leading to interfere with mitochondrial translation .		

Validation Data

Contact information

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TRMT61B Rabbit pAb

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