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# FLJ20628 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12945

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q9BVS5 |
| **Other Accession** | NM_017910, NP_060380 |
| **Reactivity** | Human |
| **Predicted** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 52965 |

## Additional Information

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|---|---|
| **Gene ID** | 55006 |
| **Alias Symbol** | DKFZp564I2178, FLJ20628 |
| **Other Names** | tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial, 2.1.1.220, TRMT61B |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-FLJ20628 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | FLJ20628 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

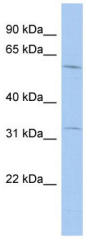
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|---|---|
| **Name** | TRMT61B |
| **Function** | Methyltransferase that catalyzes the formation of N(1)- methyladenine at position 58 (m1A58) in various tRNAs in mitochondrion, including tRNA(Leu) (deciphering codons UUA or UUG), tRNA(Lys) and tRNA(Ser) (deciphering codons UCA, UCU, UCG or UCC) (PubMed:23097428). 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 (PubMed:27631568). 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 (PubMed:29107537). |

**Cellular Location** Mitochondrion matrix

## References

Suzuki,Y.,Gene200(1-2),149-156(1997)ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

## Images




WB Suggested Anti-FLJ20628 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: SH-SYSY cell lysate
TRMT61B is supported by BioGPS gene expression data to be expressed in SHSY5Y

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.