

# FLJ20628 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12945

## Product Information

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Application	WB
Primary Accession	<a href="#">Q9BVS5</a>
Other Accession	<a href="#">NM_017910</a> , <a href="#">NP_060380</a>
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: <a href="#">23097428</a> ). 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: <a href="#">27631568</a> ). 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: <a href="#">29107537</a> ).

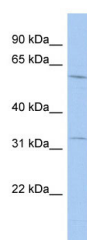
## References

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Suzuki, Y., Gene 200(1-2), 149-156 (1997) Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images

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WB Suggested Anti-FLJ20628 Antibody Titration: 0.2-1  $\mu\text{g/ml}$

ELISA Titer: 1:12500

Positive Control: SH-SY5Y 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'.