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FLJ20628 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12945

Specification

FLJ20628 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9BVS5
Other Accession	NM_017910, NP_060380
Reactivity	**Human**
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**53kDa KDa**

FLJ20628 antibody - N-terminal region - Additional Information

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.

FLJ20628 antibody - N-terminal region - Protein Information

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).

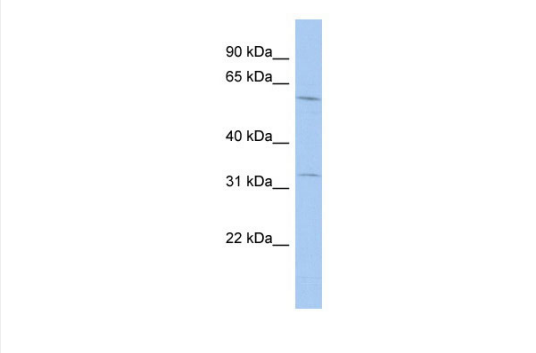
Cellular Location
Mitochondrion matrix

FLJ20628 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FLJ20628 antibody - N-terminal region - 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

FLJ20628 antibody - N-terminal region - References

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