

TFB1M antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10684**Specification****TFB1M antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	Q8WVM0
Other Accession	NM_016020 , NP_057104
Reactivity	Human, Rat, Rabbit, Zebrafish, Horse, Bovine, Dog
Predicted Host	Pig, Chicken, Horse, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 39kDa KDa

TFB1M antibody - N-terminal region - Additional Information**Gene ID** 51106**Alias Symbol** CGI-75, CGI75, mtTFB, mtTFB1**Other Names**

Dimethyladenosine transferase 1, mitochondrial, 2.1.1.-, Mitochondrial 12S rRNA dimethylase 1, Mitochondrial transcription factor B1, h-mtTFB, h-mtTFB1, hTFB1M, mtTFB1, S-adenosylmethionine-6-N', N'-adenosyl(rRNA) dimethyltransferase 1, TFB1M

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-TFB1M 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

TFB1M antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

TFB1M antibody - N-terminal region - Protein Information**Name** TFB1M ([HGNC:17037](#))**Function**

Mitochondrial methyltransferase which uses S-adenosyl methionine to dimethylate two highly conserved adjacent adenosine residues (A1583 and A1584) within the loop of helix 45 at the 3-prime end of 12S rRNA, thereby regulating the assembly or stability of the small subunit of the mitochondrial ribosome (PubMed: <http://www.uniprot.org/citations/12496758> target="_blank">12496758, PubMed: <http://www.uniprot.org/citations/25305075> target="_blank">25305075, PubMed: <http://www.uniprot.org/citations/31251801>

target="_blank">31251801). Also required for basal transcription of mitochondrial DNA, probably via its interaction with POLRMT and TFAM. Stimulates transcription independently of the methyltransferase activity (PubMed:11809803, PubMed:12068295, PubMed:12897151).

Cellular Location

Mitochondrion.

Tissue Location

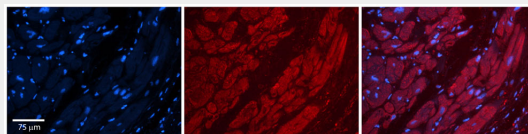
Ubiquitously expressed.

TFB1M 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 Cytometry](#)
- [Cell Culture](#)

TFB1M antibody - N-terminal region - Images



Rabbit Anti-TFB1M Antibody

Catalog Number: AI10684

Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Cytoplasmic

Primary Antibody

Concentration: 1:600

Secondary Antibody: Donkey anti-Rabbit-Cy2/3

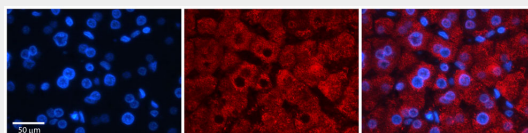
Secondary Antibody

Concentration: 1:200

Magnification: 20X

Exposure Time: 0.5 – 2.0 sec

Protocol located in Reviews and Data.



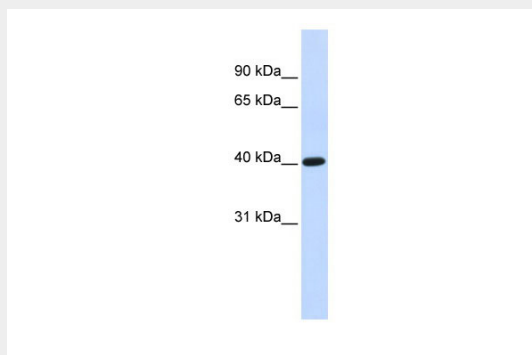
Rabbit Anti-TFB1M Antibody

Catalog Number: AI10684

Formalin Fixed Paraffin Embedded Tissue: Human Adult liver Observed Staining: Cytoplasmic

Primary Antibody

Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy2/3
Secondary Antibody
Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 – 2.0 sec
Protocol located in Reviews and Data.



WB Suggested Anti-TFB1M Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Human Liver

TFB1M antibody - N-terminal region - References

Cotney,J., (2007) Nucleic Acids Res. 35 (12), 4042-4054 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.