

# TFB1M antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10684

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q8WVM0</a>
<b>Other Accession</b>	<a href="#">NM_016020</a> , <a href="#">NP_057104</a>
<b>Reactivity</b>	Human, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine
<b>Predicted</b>	Pig, Chicken, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	39543

## Additional Information

<b>Gene ID</b>	51106
<b>Alias Symbol</b>	CGI-75, CGI75, mtTFB, mtTFB1
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	TFB1M antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	TFB1M ( <a href="#">HGNC:17037</a> )
<b>Function</b>	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: <a href="#">12496758</a> , PubMed: <a href="#">25305075</a> , PubMed: <a href="#">31251801</a> ). Also required for basal transcription of mitochondrial DNA, probably via its interaction with POLRMT and TFAM. Stimulates transcription independently of the methyltransferase activity (PubMed: <a href="#">11809803</a> , PubMed: <a href="#">12068295</a> ,

PubMed:[12897151](#)).

**Cellular Location**

Mitochondrion.

**Tissue Location**

Ubiquitously expressed.

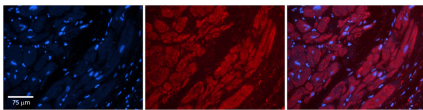
## References

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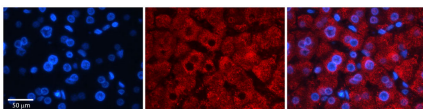
Cotney,J., (2007) Nucleic Acids Res. 35 (12), 4042-4054 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## Images

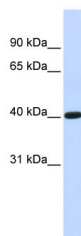
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Rabbit Anti-TFB1M Antibody  
Catalog Number: AI10684  
Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Cytoplasmic  
Primary Antibody  
Concentration: 1:600  
Secondary Antibody: Donkey anti-Rabbit-Cy2/3  
Secondary Antibody  
Concentration: 1:200  
Magnification: 20X  
Exposure Time: 0.5 s 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 s 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

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