

**TFB1M Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2997a****Specification**

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**TFB1M Antibody (C-Term) - Product Information**

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Application       | WB, E                                               |
| Primary Accession | <a href="#">Q8WVM0</a>                              |
| Other Accession   | <a href="#">NP_057104.2</a> , <a href="#">51106</a> |
| Reactivity        | Human                                               |
| Predicted         | Dog                                                 |
| Host              | Goat                                                |
| Clonality         | Polyclonal                                          |
| Concentration     | 0.5 mg/ml                                           |
| Isotype           | IgG                                                 |
| Calculated MW     | 39543                                               |

**TFB1M Antibody (C-Term) - Additional Information****Gene ID** 51106**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

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TFB1M Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TFB1M Antibody (C-Term) - 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: [12496758](http://www.uniprot.org/citations/12496758), PubMed: [25305075](http://www.uniprot.org/citations/25305075), PubMed: [31251801](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/11809803), PubMed: [12068295](http://www.uniprot.org/citations/12068295), PubMed: [12897151](http://www.uniprot.org/citations/12897151)).

**Cellular Location**

Mitochondrion.

**Tissue Location**

Ubiquitously expressed.

**TFB1M Antibody (C-Term) - 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 (C-Term) - Images**

AF2997a (0.3 µg/ml) staining of A431 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**TFB1M Antibody (C-Term) - References**

Mutational screening of the Mitochondrial transcription factors B1 and B2 (TFB1M and TFB2M) in Parkinson's disease. Sánchez-Ferrero E, Coto E, Blázquez M, Ribacoba R, Guisasola LM, Salvador C, Alvarez V. Parkinsonism Relat Disord. 2008 Nov 1. [Epub ahead of print]. PMID: 18980857