

TFB2M Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10145b**Specification**

TFB2M Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O9H5Q4](#)
Other Accession [NP_071761.1](#)

TFB2M Antibody (C-term) Blocking peptide - Additional Information

Gene ID 64216

Other Names

Dimethyladenosine transferase 2, mitochondrial, 211-, Hepatitis C virus NS5A-transactivated protein 5, HCV NS5A-transactivated protein 5, Mitochondrial 12S rRNA dimethylase 2, Mitochondrial transcription factor B2, h-mtTFB, h-mtTFB2, hTFB2M, mtTFB2, S-adenosylmethionine-6-N', N'-adenosyl(rRNA) dimethyltransferase 2, TFB2M, NS5ATP5

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TFB2M Antibody (C-term) Blocking peptide - Protein Information

Name TFB2M ([HGNC:18559](#))

Synonyms NS5ATP5

Function

S-adenosyl-L-methionine-dependent rRNA methyltransferase which may methylate two specific adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 12S mitochondrial rRNA (Probable). Component of the mitochondrial transcription initiation complex, composed at least of TFB2M, TFAM and POLRMT that is required for basal transcription of mitochondrial DNA (PubMed: [12068295](http://www.uniprot.org/citations/12068295), PubMed: [15526033](http://www.uniprot.org/citations/15526033), PubMed: [20410300](http://www.uniprot.org/citations/20410300), PubMed: [29149603](http://www.uniprot.org/citations/29149603)). In this complex, TFAM recruits POLRMT to a specific promoter whereas TFB2M induces structural changes in POLRMT to enable promoter opening and trapping of the DNA non-template strand (PubMed: [15526033](http://www.uniprot.org/citations/15526033), PubMed: [29149603](http://www.uniprot.org/citations/29149603)).

Stimulates transcription independently of the methyltransferase activity (PubMed:12897151).

Cellular Location

Mitochondrion.

Tissue Location

Ubiquitously expressed.

TFB2M Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TFB2M Antibody (C-term) Blocking peptide - Images**TFB2M Antibody (C-term) Blocking peptide - References**

Litonin, D., et al. J. Biol. Chem. 285(24):18129-18133(2010)Norrbon, J., et al. Acta Physiol (Oxf) 198(1):71-79(2010)Fukuoh, A., et al. Genes Cells 14(8):1029-1042(2009)Cotney, J., et al. Hum. Mol. Genet. 18(14):2670-2682(2009)Alonso-Montes, C., et al. Dis. Markers 25(3):131-139(2008)