Anti-TFB1M Antibody

Description	The protein encoded by this gene is a dimethyltransferase that methylates the conserved stem loop of mitochondrial 12S rRNA. The encoded protein also is part of the basal mitochondrial transcription complex and is necessary for mitochondrial gene expression. The methylation and transcriptional activities of this protein are independent of one another. Variations in this gene may influence the severity of aminoglycoside-induced deafness (AID).

Model	STJ117425
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 28-346 of human TFB1M (NP_057104.2).
Gene ID	51106
Gene Symbol	TFB1M
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Ubiquitously expressed
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Dimethyladenosine transferase 1 mitochondrial
Molecular Weight	39.543 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:17037OMIM:607033Reactome:R-HSA-2151201
Alternative Names	Dimethyladenosine transferase 1 mitochondrial
Function	S-adenosyl-L-methionine-dependent methyltransferase which specifically dimethylates mitochondrial 12S rRNA at the conserved stem loop, Also required for basal transcription of mitochondrial DNA, probably via its interaction with POLRMT and TFAM, Stimulates transcription independently of the methyltransferase activity,
Cellular Localization	Mitochondrion