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Anti-TFB2M Antibody (aa325-338)

Goat Anti Human Polyclonal Antibody
Catalog # ALS17882

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9H5Q4
Predicted	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	45349
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	64216
Alias Symbol	TFB2M
Other Names	TFB2M, H-mtTFB, H-mtTFB2, HTFB2M, MtTFB2, Hkp1, NS5ATP5
Target/Specificity	Human TFB2M.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-TFB2M Antibody (aa325-338) is for research use only and not for use in diagnostic or therapeutic procedures.

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, PubMed:15526033, PubMed:20410300, PubMed: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, PubMed:29149603). Stimulates transcription independently of the methyltransferase activity (PubMed:12897151).
Cellular Location	Mitochondrion.

Tissue Location	Ubiquitously expressed.

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