

Rabbit anti-Human TFB1M Polyclonal Antibody | anti-TFB1M antibody

TFB1M Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234608	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

TFB1M; Polyclonal Antibody; TFB1M Antibody; Dimethyladenosine transferase 1; mitochondrial; mitochondrial 12S rRNA dimethylase 1; mitochondrial transcription factor B1; h-mtTFB; h-mtTFB1; hTFB1M; mtTFB1; S-adenosylmethionine-6-N'; N'-adenosyl(rRNA) dimethyltransferase 1; CGI-75; anti-TFB1M antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	346
Applicable Applications for anti-TFB1M antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Dimethyladenosine transferase 1, mitochondrial protein (59-194AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA234608 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234608 diluted at 1:500 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234608 diluted at 1:500 and staining in paraffin-embedded human pancreatic cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: A549 whole cell lysateAll lanes: TFB1M antibody at 4.6ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 40 KDaObserved band size: 40 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-TFB1M antibody	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.
Product Categories/Family for anti-TFB1M antibody	Epigenetics and Nuclear Signaling ; Tags & Cell Markers ; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	156415992
NCBI GeneID	51106
NCBI Accession #	NP_057104.2
NCBI GenBank Nucleotide #	NM_016020.3
UniProt Accession #	Q8WVM0; Q05DR0; Q9Y384
Molecular Weight	39,543 Da
NCBI Official Full Name	dimethyladenosine transferase 1, mitochondrial isoform 1
NCBI Official Synonym Full Names	transcription factor B1, mitochondrial
NCBI Official Symbol	TFB1M
NCBI Official Synonym Symbols	CGI75; mtTFB; CGI-75; mtTFB1
NCBI Protein Information	dimethyladenosine transferase 1, mitochondrial
UniProt Protein Name	Dimethyladenosine transferase 1, mitochondrial
UniProt Gene Name	TFB1M
UniProt Synonym Gene Names	h-mtTFB; h-mtTFB1; hTFB1M; mtTFB1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tfb1m-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234608>