

Rabbit TUFM Polyclonal Antibody | anti-TUFM antibody

TUFM Antibody (N-term)

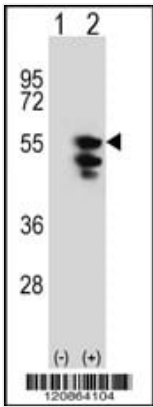
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283669	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

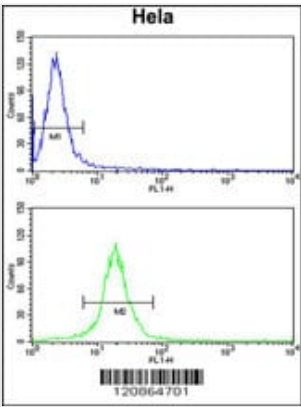
TUFM; Polyclonal Antibody; TUFM Antibody (N-term); Elongation factor Tu; mitochondrial; EF-Tu; P43; anti-TUFM antibody

PRODUCT SPECIFICATIONS

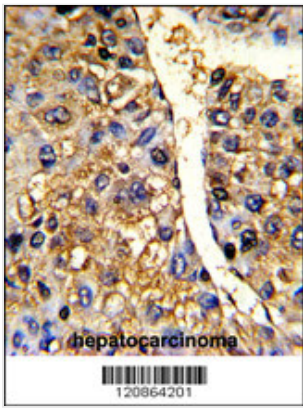
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TUFM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-104 amino acids from the N-terminal region of human TUFM.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	75-104
Sequence Length	455
Applicable Applications for anti-TUFM antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



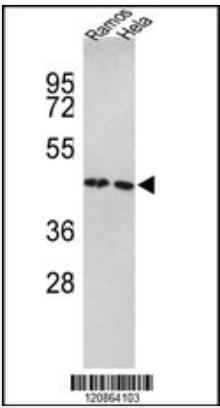
WB (Western Blot)
Western blot analysis of TUFM (arrow) using rabbit polyclonal TUFM Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the TUFM gene.



FCM/FACS (Flow Cytometry)
TUFM Antibody (N-term) flow cytometry analysis of HeLa cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with TUFM Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of TUFM Antibody (N-term) in Ramos, HeLa cell line lysates (35ug/lane). TUFM (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TUFM antibody	TUFM is a protein which participates in protein translation in mitochondria. This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.
References	Valente,L., et.al., Biochim. Biophys. Acta 1792 (8), 791-795 (2009) Bogenhagen,D.F., et.al., J. Biol. Chem. 283 (6), 3665-3675 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	34147630
NCBI GeneID	7284
NCBI Accession #	NP_003312.3
NCBI GenBank Nucleotide #	NM_003321.4
UniProt Accession #	P49411; O15276
Molecular Weight	49542
NCBI Official Full Name	elongation factor Tu, mitochondrial

NCBI Official Synonym Full Names	Tu translation elongation factor, mitochondrial
NCBI Official Symbol	TUFM
NCBI Official Synonym Symbols	P43; EFTU; COXPD4; EF-TuMT
NCBI Protein Information	elongation factor Tu, mitochondrial
UniProt Protein Name	Elongation factor Tu, mitochondrial
UniProt Gene Name	TUFM
UniProt Synonym Gene Names	EF-Tu
UniProt Entry Name	EFTU_HUMAN

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/tufm-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/283669>