

Rabbit TUFM Polyclonal Antibody | anti-TUFM antibody

TUFM Antibody (N-term)

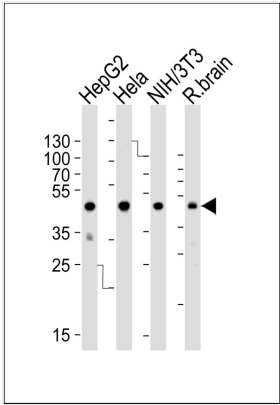
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283697	Rabbit	Human, mouse, rat (Predicted Reactivity: Bovine)	Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

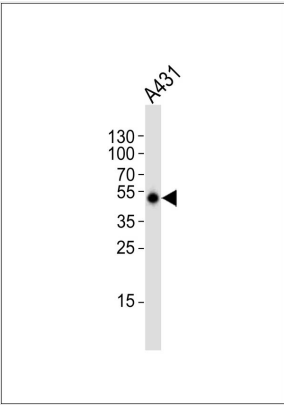
TUFM; Polyclonal Antibody; TUFM Antibody (N-term); Elongation factor Tu; mitochondrial; EF-Tu; P43; anti-TUFM antibody

PRODUCT SPECIFICATIONS

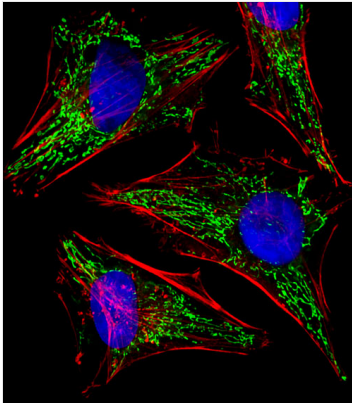
Host	Rabbit
Reactivity	Human, mouse, rat (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TUFM antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 112-147 amino acids from the N-terminal region of human TUFM.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	455
Applicable Applications for anti-TUFM antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Crown Antibody	Yes
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 lysates from HepG2, HeLa, mouse NIH/3T3 cell line and rat brain tissue lysate(from left to right), using TUFM Antibody (N-term). AAA283697 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



WB (Western Blot)
Western blot analysis of lysate from A431 cell line, using TUFM Antibody (N-term). AAA283697 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



IF (Immunofluorescence)
Fluorescent image of HeLa cells stained with TUFM Antibody (N-term). AAA283697 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-TUFM antibody	This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.
Product Categories/Family for anti-TUFM antibody	Crown Antibodies
References	Worix V.L.,et al.Biochim. Biophys. Acta 1264:347-356(1995). Wells J.,et al.FEBS Lett. 358:119-125(1995). Ling M.,et al.Gene 197:325-336(1997). Martin J.,et al.Nature 432:988-994(2004). Dunn M.J.,et al.Submitted (MAR-1996) to UniProtKB.

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-western-blot-immunofluorescence-elisa/283697>