

TUFM Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP53377

Product Information

Application	WB
Primary Accession	P49411
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49875

Additional Information

Gene ID	7284
Other Names	Elongation factor Tu, mitochondrial, EF-Tu, P43, TUFM
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TUFM. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	TUFM
Function	GTP hydrolase that promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. Also plays a role in the regulation of autophagy and innate immunity. Recruits ATG5-ATG12 and NLRX1 at mitochondria and serves as a checkpoint of the RIGI-MAVS pathway. In turn, inhibits RLR-mediated type I interferon while promoting autophagy.
Cellular Location	Mitochondrion.

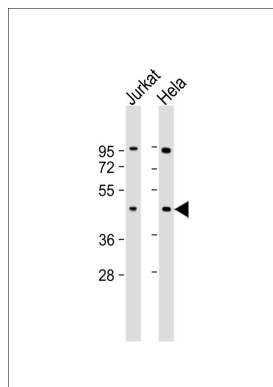
Background

This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.

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.

Images



All lanes : Anti-TUFM Antibody at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane 2: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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