

TUFM Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53377**Specification**

TUFM Antibody - Product Information

Application	WB
Primary Accession	P49411
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50 KDa
Antigen Region	303-352

TUFM Antibody - Additional Information**Gene ID** 7284**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

TUFM Antibody - 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.

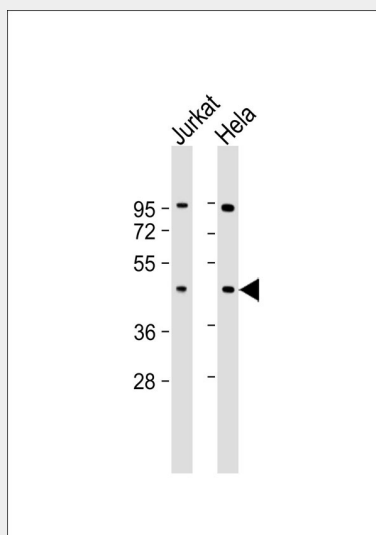
TUFM Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TUFM Antibody - 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.

TUFM Antibody - Background

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

TUFM Antibody - 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.