

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

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**TUFM Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P49411</a> |
| 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**

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.

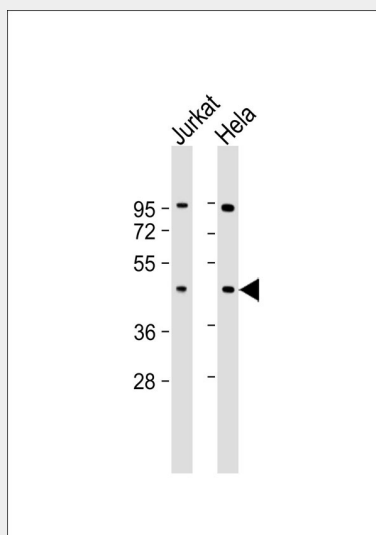
**TUFM Antibody - Protocols**

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.