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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
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

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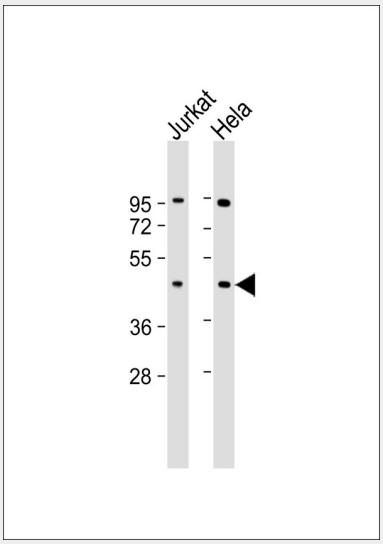
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

Woriax 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.