

## ARG55863 anti-TUFM antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes TUFM  |
| Tested Reactivity   | Hu, Ms, Rat   |
| Tested Application  | ICC/IF, WB  |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | TUFM  |
| Species             | Human   |
| Immunogen           | KLH-conjugated synthetic peptide corresponding to aa. 112-147 (N-terminus) of Human TUFM. |
| Conjugation         | Un-conjugated   |
| Alternate Names     | P43; EF-TuMT; Elongation factor Tu, mitochondrial; EF-Tu; COXPD4; EFTU                    |

### Application Instructions

|                   |  |          |
|-------------------|--|----------|
| Application table | Application  | Dilution |
|                   | ICC/IF   | 1:25     |
|                   | WB   | 1:1000   |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |          |
| Positive Control  | A431   |          |

### Properties

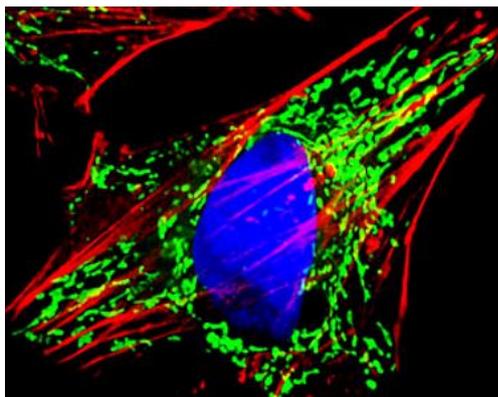
|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purification with Protein A and immunogen peptide.   |
| Buffer              | PBS and 0.09% (W/V) Sodium azide   |
| Preservative        | 0.09% (W/V) Sodium azide   |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

### Bioinformation

|                       |  |
|-----------------------|--|
| Gene Symbol           | TUFM   |
| Gene Full Name        | Tu translation elongation factor, mitochondrial  |
| Background            | This gene encodes a protein which participates in protein translation in mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency resulting in lactic acidosis and fatal encephalopathy. A pseudogene has been identified on chromosome 17. [provided by RefSeq, Jul 2008] |
| Function              | This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. [UniProt]  |
| Calculated Mw         | 50 kDa   |
| Cellular Localization | Mitochondrion.   |

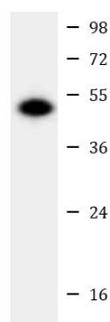
## Images

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ARG55863 anti-TUFM antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG55863 anti-TUFM antibody (green) at 1:25 dilution. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red). DAPI (blue) for nuclear staining.



A431

ARG55863 anti-TUFM antibody WB image

Western blot: 20 µg of A431 cell lysate stained with ARG55863 anti-TUFM antibody at 1:1000 dilution.