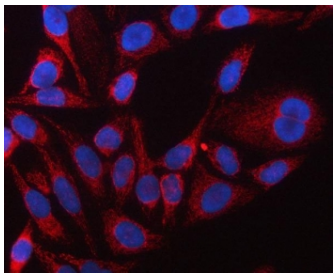
# EF-Tu Antibody / TUFM (RQ7597)

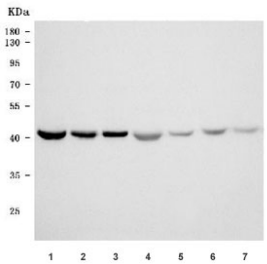
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7597 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | P49411 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Immunofluorescence : 5ug/ml<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This EF-Tu antibody is available for research use only. |



Immunofluorescent staining of FFPE human HeLa cells with EF-Tu antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.




Western blot testing of 1) human HepG2, 2) human Daudi, 3) human 293T, 4) human MCF7, 5) rat brain, 6) mouse brain and 7) mouse spleen tissue lysate with EF-Tu antibody. Expected molecular weight: 43-46 kDa.

## Description

Elongation factor Tu, mitochondrial is a protein that in humans is encoded by the TUFM gene. It is an EF-Tu homolog. 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.

## Application Notes

Optimal dilution of the EF-Tu antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids R8-R271) was used as the immunogen for the EF-Tu antibody.

## Storage

After reconstitution, the EF-Tu antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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