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# TSFM Antibody

Rabbit mAb
Catalog # AP92948

## Product Information

| | |
|---|---|
| **Application** | WB, IF, ICC, IP |
| **Primary Accession** | P43897 |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Other Names** | COXPD3; EFTS; EFTSMT; TSFM; TSMT; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 35391 |

## Additional Information

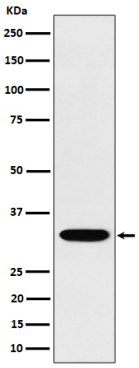
| | |
|---|---|
| **Dilution** | WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human TSFM |
| **Description** | Associates with the EF-Tu.GDP complex and induces the exchange of GDP to GTP. It remains bound to the aminoacyl-tRNA.EF-Tu.GTP complex up to the GTP hydrolysis stage on the ribosome. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## Protein Information

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|---|---|
| **Name** | TSFM {ECO:0000255\|HAMAP-Rule:MF_03135} |
| **Function** | Associates with the EF-Tu.GDP complex and induces the exchange of GDP to GTP. It remains bound to the aminoacyl-tRNA.EF- Tu.GTP complex up to the GTP hydrolysis stage on the ribosome. Participates in mitochondrial translation (PubMed:27677415). |
| **Cellular Location** | Mitochondrion matrix {ECO:0000250\|UniProtKB:P43896} |
| **Tissue Location** | Expressed in all tissues, with the highest levels of expression in skeletal muscle, liver and kidney |

## Images

Western blot analysis of TSFM expression in Jurkat cell lysate.




Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.