

TSFM Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16906B**Specification**

TSFM Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P43897
Other Accession	P43896 , NP_001166167.1 , NP_005717.3
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35391
Antigen Region	253-282

TSFM Antibody (C-term) - Additional Information**Gene ID** 10102**Other Names**

Elongation factor Ts, mitochondrial {ECO:0000255|HAMAP-Rule:MF_03135}, EF-Ts
{ECO:0000255|HAMAP-Rule:MF_03135}, EF-TsMt {ECO:0000255|HAMAP-Rule:MF_03135}, TSFM
{ECO:0000255|HAMAP-Rule:MF_03135}

Target/Specificity

This TSFM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 253-282 amino acids from the C-terminal region of human TSFM.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TSFM Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TSFM Antibody (C-term) - Protein Information

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.

Cellular Location

Mitochondrion.

Tissue Location

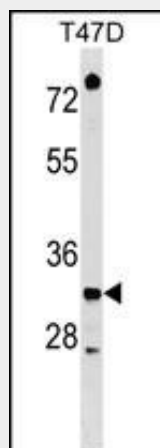
Expressed in all tissues, with the highest levels of expression in skeletal muscle, liver and kidney

TSFM Antibody (C-term) - 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](#)

TSFM Antibody (C-term) - Images



TSFM Antibody (C-term) (Cat. #AP16906b) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the TSFM antibody detected the TSFM protein (arrow).

TSFM Antibody (C-term) - Background

This gene encodes a mitochondrial translation elongation factor. The encoded protein is an enzyme that catalyzes the exchange of guanine nucleotides on the translation elongation factor Tu during the elongation step of mitochondrial protein translation. Mutations in this gene are associated with combined oxidative phosphorylation deficiency-3 syndrome. Alternate splicing results in multiple transcript variants.

TSFM Antibody (C-term) - References

Wang, W., et al. Nucleic Acids Res. (2010) In press :
Smeitink, J.A., et al. Am. J. Hum. Genet. 79(5):869-877(2006)
Antonicka, H., et al. Hum. Mol. Genet. 15(11):1835-1846(2006)
Vernon, J.L., et al. Cytogenet. Cell Genet. 89 (3-4), 145-146 (2000) :
Xin, H., et al. J. Biol. Chem. 270(29):17243-17249(1995)