

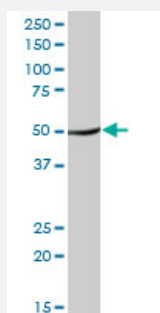
MaxPab®

# TUFM purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00007284-B01P

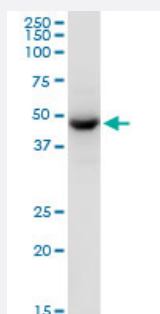
Size 50 ug

## Applications



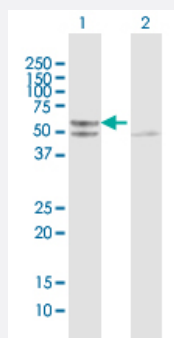
### Western Blot (Tissue lysate)

TUFM MaxPab polyclonal antibody. Western Blot analysis of TUFM expression in rat brain.



### Western Blot (Cell lysate)

TUFM MaxPab polyclonal antibody. Western Blot analysis of TUFM expression in HeLa.

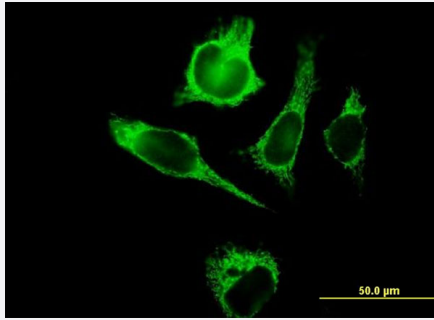


### Western Blot (Transfected lysate)

Western Blot analysis of TUFM expression in transfected 293T cell line ([H00007284-T01](#)) by TUFM MaxPab polyclonal antibody.

Lane 1: TUFM transfected lysate(50.05 KDa).

Lane 2: Non-transfected lysate.



## Immunofluorescence

Immunofluorescence of purified MaxPab antibody to TUFM on HeLa cell.  
[antibody concentration 10 ug/ml]

## Specification

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse polyclonal antibody raised against a full-length human TUFM protein.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>               | TUFM (NP_003312.3, 1 a.a. ~ 455 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>                | MTTMAAATLLRATPHFSGLAAGRTFLLQGILLRLKAPALPLLCRGLAVEAKKTYVRDKPHVNVGTI<br>GHVDHGKTTLTAAITKILAEAGGAKFKKYEEIDNAPEERARGITINAAHVEYSTAARHYAHTDCPGH<br>ADYVKNMITGTAPLDGCILVVAANDGMPQTREHLLARQIGVEHVVVYVKNKADAVQDSEMVVELV<br>ELEIRELLTEFGYKGEETPVVGSALCALEGRDPELGLKSVQKLLDAVDITYVPARDLEKPFLLPV<br>EAVYSVPGRGTVVTGTLERGILKKGDECELLGHSKNIRTVVTGIEMFHKSLERAEGDNLGALVRG<br>LKREDLRRGLVMVKPGSIKPHQKVEAQVYLSKEEGGRHKPFVSHFMPVMFSLTWDMACRILPP<br>EKELAMPGEDLKFNLILRQPMILEKGQRFTLRDGNRTIGTGLVTNTLAMTEEEKNIKWG |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reactivity</b>              | Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Applications

- Western Blot (Tissue lysate)

TUFM MaxPab polyclonal antibody. Western Blot analysis of TUFM expression in rat brain.

[Protocol Download](#)

- Western Blot (Cell lysate)

TUFM MaxPab polyclonal antibody. Western Blot analysis of TUFM expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of TUFM expression in transfected 293T cell line ([H00007284-T01](#)) by TUFM MaxPab polyclonal antibody.

Lane 1: TUFM transfected lysate(50.05 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to TUFM on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — TUFM

Entrez GeneID [7284](#)

GeneBank Accession# [NM\\_003321.3](#)

Protein Accession# [NP\\_003312.3](#)

Gene Name TUFM

Gene Alias COXPD4, EF-TuMT, EFTU, P43

Gene Description Tu translation elongation factor, mitochondrial

Omim ID [602389 610678](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

Other Designations -

## Publication Reference

- [A human endogenous bornavirus-like nucleoprotein encodes a mitochondrial protein associated with cell viability.](#)

Kan Fujino, Masayuki Horie, Shohei Kojima, Sae Shimizu, Aya Nabekura, Hiroko Kobayashi, Akiko Makino, Tomoyuki Honda, Keizo Tomonaga.

Journal of Virology 2021 Jun; 95(14):e0203020.

Application: WB-Tr, Human, HEK 293T cells

- [Mitochondrial nucleoid interacting proteins support mitochondrial protein synthesis.](#)

He J, Cooper HM, Reyes A, Di Re M, Sembongi H, Litwin TR, Gao J, Neuman KC, Fearnley IM, Spinazzola A, Walker JE, Holt IJ.

Nucleic Acids Research 2012 Jul; 40(13):6109.

Application: WB, Human, HEK 293T cells

- [Human C4orf14 interacts with the mitochondrial nucleoid and is involved in the biogenesis of the small mitochondrial ribosomal subunit.](#)

He J, Cooper HM, Reyes A, Di Re M, Kazak L, Wood SR, Mao CC, Fearnley IM, Walker JE, Holt IJ.

Nucleic Acids Research 2012 Jul; 40(13):6097.

Application: WB, Human, HEK 293T cells