

For Research Use Only

# TUFM Monoclonal antibody

Catalog Number: 67802-1-Ig



## Basic Information

Catalog Number:

67802-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG24976

GenBank Accession Number:

BC010041

GeneID (NCBI):

7284

UNIPROT ID:

P49411

Full Name:

Tu translation elongation factor,  
mitochondrial

Calculated MW:

50 kDa

Observed MW:

48-50 kDa

Purification Method:

Protein A purification

CloneNo.:

2A10D2

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total  
protein lysate

IHC 1:1000-1:4000

## Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

Positive Controls:

WB : LNCaP cells, HCT 116 cells, HepG2 cells, HeLa  
cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, PC-12  
cells, 4T1 cells

IP : HepG2 cells,

IHC : human colon cancer tissue,

## Background Information

TUFM, also named as Elongation factor Tu, mitochondrial, is a 452 amino acid protein, which contains 1 tr-type G (guanine nucleotide-binding) domain and belongs to the TRAFAC class translation factor GTPase superfamily. TUFM localizes in the Mitochondrion and promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

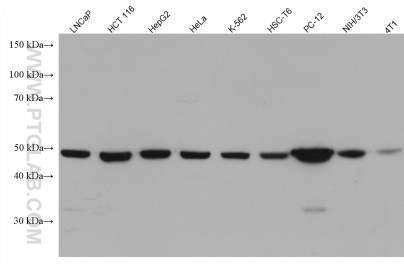
T: 4006900926

E: Proteintech-CN@ptglab.com

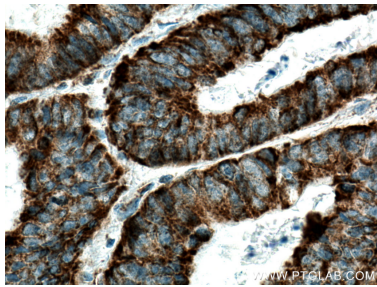
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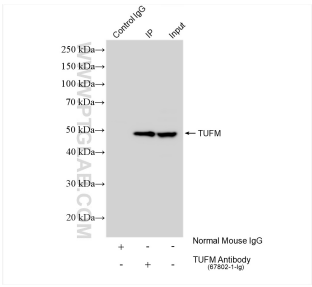
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67802-1-Ig (TUFM antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67802-1-Ig (TUFM antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-TUFM (IP:67802-1-Ig, 4ug; Detection:67802-1-Ig 1:3000) with HepG2 cells lysate 2000 ug.