

For Research Use Only

# MTERF4 Polyclonal antibody

Catalog Number: 31892-1-AP



## Basic Information

Catalog Number:

31892-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32334

GenBank Accession Number:

NM\_182501

GeneID (NCBI):

130916

UNIPROT ID:

Q7Z6M4

Full Name:

MTERF domain containing 2

Calculated MW:

44 kDa

Observed MW:

37 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HT-1080 cells, HeLa cells, HepG2 cells, LNCaP cells

## Background Information

The MTERF protein family plays a key role in controlling mitochondrial DNA gene expression in mammals. Mitochondrial transcription termination factor 4 (MTERF4, also known as MTERFD2) regulates mitochondrial ribosome biogenesis and translation (PMID: 21531335). It can form a stoichiometric complex with the ribosomal RNA methyl-transferase NSUN4 and is necessary for the recruitment of this factor to the large ribosomal subunit. Loss of MTERF4 leads to defective ribosomal assembly and a drastic reduction in translation (PMID: 21531335).

## 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:

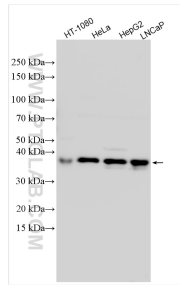
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31892-1-AP (MTERFD2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.