

For Research Use Only

MTERF4 Polyclonal antibody

Catalog Number: 31892-1-AP



Basic Information

Catalog Number:

31892-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

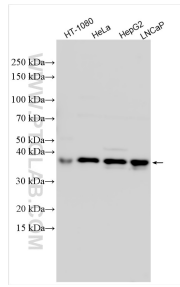
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.