

For Research Use Only

Phospho-EIF4B (Ser406) Recombinant antibody



Catalog Number: 80059-1-RR

Basic Information

Catalog Number:

80059-1-RR

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC073154

GeneID (NCBI):

1975

UNIPROT ID:

P23588

Full Name:

eukaryotic translation initiation factor 4B

Calculated MW:

611 aa, 69 kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

5G14

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB: HEK-293T cells, Calyculin A treated HEK-293T cells, PC-3 cells, Calyculin A treated PC-3 cells, HeLa cells, Calyculin A treated HeLa cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

Background Information

EIF4B is one of the mammalian eukaryotic initiation factors (eIF) that are required for the ATP-dependent binding of mRNA to the 40 S ribosomal subunit, and the other eIF proteins are EIF4A, EIF4F. eIF4B is involved in translation of numerous proliferative or anti-apoptotic mRNAs with highly structured 5'UTR and subsequently affect cell growth and survival. It was reported that false expression and phosphorylation levels of eIF4B are involved in several tumors including breast cancer, cell lymphoblastic leukemia and diffuse large B-cell lymphoma (PMID: 26848623).

Storage

Storage:

Store at -20°C.

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:

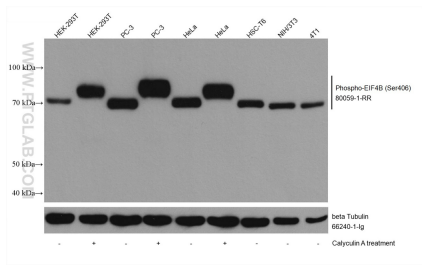
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Non-treated and Calyculin A treated cells were subjected to SDS PAGE followed by western blot with 80059-1-RR (Phospho-EIF4B (Ser406) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.