

For Research Use Only

# Phospho-EIF4B (Ser406) Recombinant antibody

Catalog Number: 80059-1-RR

Featured Product

1 Publications



## Basic Information

Catalog Number:

80059-1-RR

Size:

100ul, Concentration: 300 ug/ml by Nanodrop;

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:

70-80 kDa

Purification Method:

Protein A purification

CloneNo.:

5G14

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:2000-1:8000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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

IHC : Jurkat 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yifan Huang	39236462	Int Immunopharmacol	WB

## 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

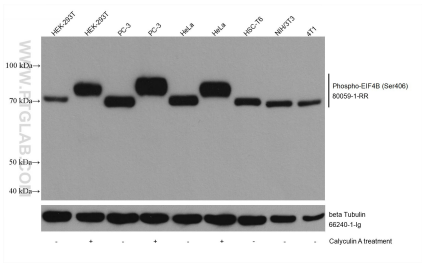
For technical support and original validation data for this product please contact:

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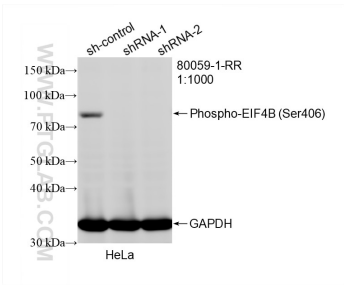
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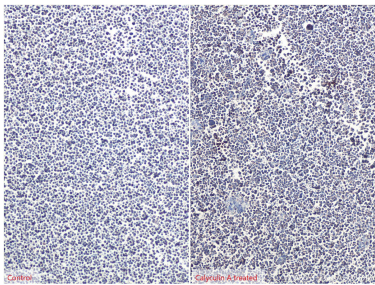
Selected Validation Data



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.



WB result of Phospho-EIF4B (Ser406) antibody (80059-1-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Phospho-EIF4B (Ser406) transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded Jurkat cells slide using 80059-1-RR (Phospho-EIF4B (Ser406) antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).