

For Research Use Only

# Phospho-EIF4B (Ser406) Recombinant antibody, PBS Only

Catalog Number: 80059-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

80059-1-PBS

**Size:**

100ug, Concentration: 1mg/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

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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 -80°C.

**Storage Buffer:**

PBS Only

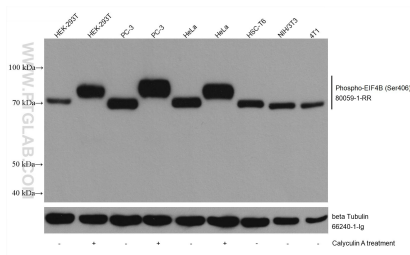
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

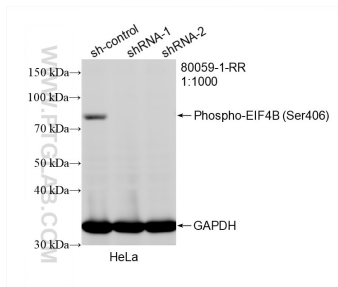
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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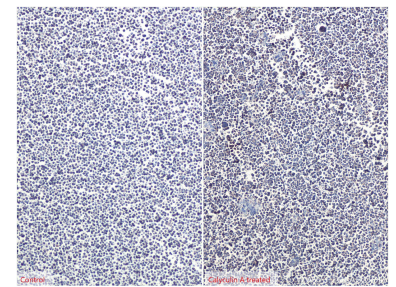
## Selected Validation Data



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. This data was developed using the same antibody clone with 80059-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 80059-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 80059-1-PBS in a different storage buffer formulation.