

For Research Use Only

# EIF4B Recombinant monoclonal antibody

Catalog Number: 88367-1-RR



## Basic Information

|                                             |                                                                  |                                                                           |
|---------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>88367-1-RR        | <b>GenBank Accession Number:</b><br>BC073154                     | <b>Purification Method:</b><br>Protein A purification                     |
| <b>Source:</b><br>Rabbit                    | <b>GeneID (NCBI):</b><br>1975                                    | <b>CloneNo.:</b><br>260892A7                                              |
| <b>Isotype:</b><br>IgG                      | <b>UNIPROT ID:</b><br>P23588                                     | <b>Recommended Dilutions:</b><br>WB: 1:2000-1:10000<br>IF/ICC: 1:50-1:500 |
| <b>Immunogen Catalog Number:</b><br>AG12325 | <b>Full Name:</b><br>eukaryotic translation initiation factor 4B |                                                                           |
|                                             | <b>Calculated MW:</b><br>611 aa, 69 kDa                          |                                                                           |
|                                             | <b>Observed MW:</b><br>80 kDa                                    |                                                                           |

## Applications

|                                                  |                                                                                                 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, IF/ICC, ELISA | <b>Positive Controls:</b>                                                                       |
| <b>Species Specificity:</b><br>human             | <b>WB :</b> HeLa cells, K-562 cells, HEK-293 cells, HUVEC cells<br><b>IF/ICC :</b> MCF-7 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. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

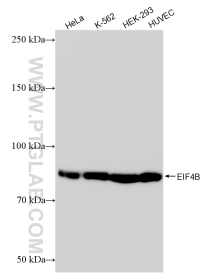
T: 4006900926

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

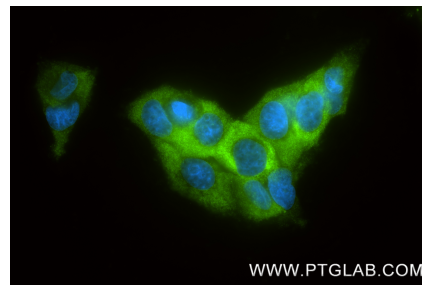
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88367-1-RR (EIF4B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using EIF4B antibody (88367-1-RR, Clone: 260892A7) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).