

For Research Use Only

EIF4B Polyclonal antibody

Catalog Number: 17917-1-AP **6 Publications**



Basic Information

Catalog Number:

17917-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12325

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:

80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IF 1:200-1:800

Applications

Tested Applications:

FC, IF/ICC, WB, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Positive Controls:

WB : HeLa cells, K-562 cells

IF : MCF-7 cells, sodium arsenite treated HeLa 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 40S 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
Zonghong Li	30295850	Nucleic Acids Res	WB
Lei Li	25955794	Mol. Med Rep	WB
Jin Wu	38467376	Biochem Pharmacol	WB,IF,CoIP

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

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

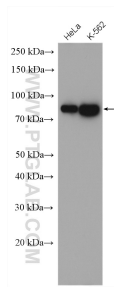
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E: Proteintech-CN@ptglab.com

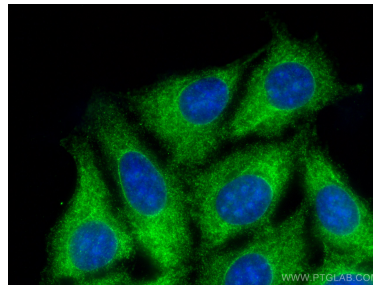
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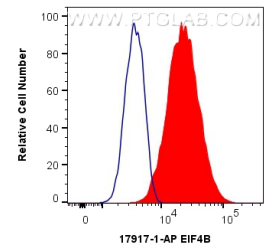
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17917-1-AP (EIF4B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using EIF4B antibody (17917-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human EIF4B (17917-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).