

For Research Use Only

EIF4B Polyclonal antibody

Catalog Number: 17917-1-AP

5 Publications



Basic Information

Catalog Number: 17917-1-AP	GenBank Accession Number: BC073154	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop;	GeneID (NCBI): 1975	Recommended Dilutions: WB 1:1000-1:4000 IF 1:200-1:800
Source: Rabbit	Full Name: eukaryotic translation initiation factor 4B	
Isotype: IgG	Calculated MW: 611 aa, 69 kDa	
Immunogen Catalog Number: AG12325	Observed MW: 80 kDa	

Applications

Tested Applications: FC, IF, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HeLa cells, K-562 cells
Species Specificity: human, mouse, rat	IF : MCF-7 cells, sodium arsenite treated HeLa cells
Cited Species: human, 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Zonghong Li	30295850	Nucleic Acids Res	WB
Lei Li	25955794	Mol. Med Rep	WB
Yunfeng Long	37897200	Biotechnol J	WB

Storage

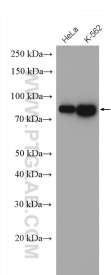
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

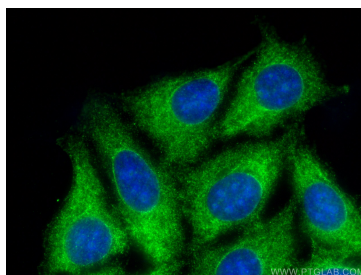
For technical support and original validation data for this product please contact:
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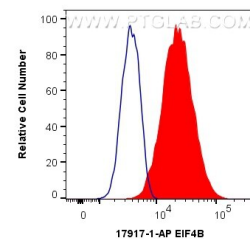
Selected Validation Data



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).