

For Research Use Only

Phospho-EIF4B (Ser422)

Recombinant antibody, PBS Only



Catalog Number: 82550-1-PBS

Basic Information

Catalog Number: 82550-1-PBS	GenBank Accession Number: BC073154	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 1975	CloneNo.: 1K3
Source: Rabbit	UNIPROT ID: P23588	
Isotype: IgG	Full Name: eukaryotic translation initiation factor 4B	
	Calculated MW: 611 aa, 69 kDa	
	Observed MW: 70-80 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human

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). Ser422 is regarded as the major modification site of EIF4B that is phosphorylated in response to amino-acid refeeding (PMID: 22750809).

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

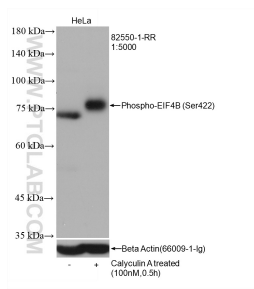
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Selected Validation Data



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 82550-1-RR (Phospho-EIF4B (Ser422) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin antibody as loading control. This data was developed using the same antibody clone with 82550-1-PBS in a different storage buffer formulation.