For Research Use Only

Phospho-EIF4B (Ser422) Recombinant antibody

Catalog Number:82550-1-RR

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Basic Information

Catalog Number:
82550-1-RR

Size:
1000 μg/ml

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.:
1K3

Recommended Dilutions:
WB 1:2000-1:10000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

Positive Controls:

WB : Calyculin A treated HeLa cells, 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 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 -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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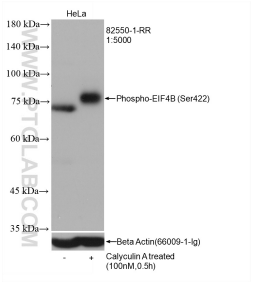
Selected Validation Data



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.