

For Research Use Only

# Phospho-EIF4B (Ser422) Polyclonal antibody



Catalog Number: 28781-1-AP

## Basic Information

**Catalog Number:**

28781-1-AP

**Size:**

300 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:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:10000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

WB : Calyculin A 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 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:

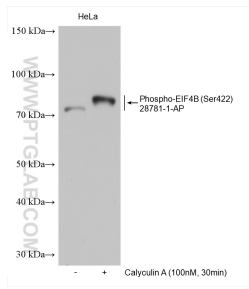
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## Selected Validation Data



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 28781-1-AP (Phospho-EIF4B (Ser422) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.