

For Research Use Only

Phospho-EIF2AK4 (Thr899) Recombinant antibody

Catalog Number: 82835-3-RR



Basic Information

Catalog Number:

82835-3-RR

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC009350

GeneID (NCBI):

440275

UNIPROT ID:

Q9P2K8

Full Name:

eukaryotic translation initiation
factor 2 alpha kinase 4

Calculated MW:

187 kDa

Observed MW:

187 kDa

Purification Method:

Protein A purification

CloneNo.:

5N13

Recommended Dilutions:

WB 1:2000-1:14000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: Calyculin A treated HeLa cells, Calyculin A
treated NIH/3T3 cells

Background Information

EIF2AK4 (eukaryotic translation initiation factor 2 alpha kinase 4) belongs to a family of protein kinases that phosphorylate the α subunit of EIF2 (eukaryotic translation initiation factor 2) in response to various stress stimuli. Phosphorylation of EIF2A in response to EIF2AK4 activation subsequently increases translation of specific mRNAs that are important for stress remediation such as ATF4 (activating transcription factor 4). (PMID: 26986695)

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:

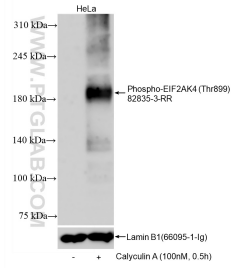
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Selected Validation Data



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 82835-3-RR (Phospho-EIF2AK4 (Thr899) antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin (66095-1-Ig) antibody as a loading control.