

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Phospho-PERK/EIF2AK3 (Ser719)



Numéro de catalogue: 29546-1-AP

5 Publications

Informations de base

Numéro de catalogue:

29546-1-AP

Taille:

100ul, Concentration: 250 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

BC126354

Identification du gène (NCBI):

9451

Nom complet:

eukaryotic translation initiation factor 2-alpha kinase 3

MW calculé

1116 aa, 125 kDa

MW observés:

140 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

Applications

Applications testées:

WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain

Espèces citées:

Humain, rat

Contrôles positifs:

WB : cellules HeLa traitées à la λ phosphatase, Thapsigargin treated HeLa cells

Informations générales

EIF2AK3 encodes the protein kinase RNA-like ER kinase (PERK), a key regulator of the unfolded protein response (UPR) in response to ER stress. Under ER stress conditions, activation of PERK is triggered by the dissociation of glucose-regulated protein (GRP) 78 (also known as BiP) from its luminal domain, followed by oligomerization and autophosphorylation. Phosphorylated PERK subsequently phosphorylates eukaryotic translation initiation factor 2 alpha (eif2a), to attenuate global protein translation and reduce incoming ER protein load via upregulated ER chaperone expression. (PMID: 35922637, PMID: 32029570)

Publications notables

Autrice	Pubmed ID	Journal	Application
Jie Cui	37348685	Fish Shellfish Immunol	WB
Ziwei Cui	37329685	Tissue Cell	WB
Xiao-Xue Hou	37213406	World J Gastroenterol	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

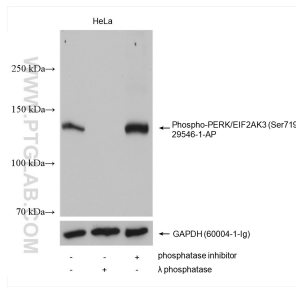
For technical support and original validation data for this product please contact:

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Données de validation sélectionnées



Non-treated HeLa cells and Thapsigargin treated HeLa cells were subjected to SDS PAGE followed by western blot with 29546-1-AP (Phospho-PERK/EIF2AK3 (Ser719) antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.

Non-treated HeLa cells, phosphatase inhibitor treated and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 29546-1-AP (Phospho-PERK/EIF2AK3 (Ser719) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.