

Nur für Forschungszwecke

# Phospho-PERK/EIF2AK3 (Ser719) Polyklonaler Antikörper



Katalog-Nr.: 29546-1-AP

2 Publikationen

## Allgemeine Informationen

Katalog-Nr.:  
29546-1-AP

Größe:  
100ul, Konzentration: 250 µg/ml von  
Nanodrop;

Wirt:  
Kaninchen

Isotyp:  
IgG

GenBank-Zugangsnummer:  
BC126354

GeneID (NCBI):  
9451

Vollständiger Name:  
eukaryotic translation initiation  
factor 2-alpha kinase 3

Berechnete Masse:  
1116 aa, 125 kDa

Beobachtete Masse:  
140 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:2000

## Anwendungen

Geprüfte Anwendungen:

WB, ELISA

In Publikationen genannte Anwendungen:

WB

Getestete Reaktivität:

Human

Zitierte Arten:

Human, Ratte

Positivkontrollen:

WB: Mit λ-Phosphatase behandelte HeLa-Zellen,  
Thapsigargin treated HeLa cells

## Hintergrundinformationen

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)

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Lichun Kang	36906674	Cell Death Dis	WB
Gang Yu	36889209	Ecotoxicol Environ Saf	WB

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

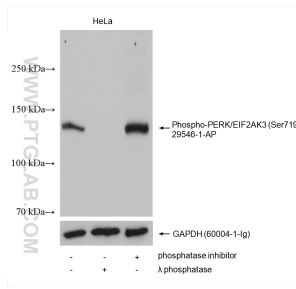
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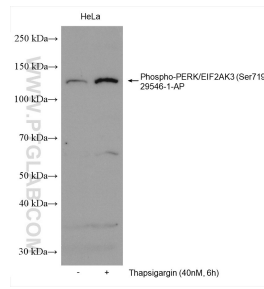
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## Ausgewählte Validierungsdaten



Non-treated HeLa cells, phosphatase inhibitor treated and  $\lambda$  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.



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.