For Research Use Only

Phospho-PERK/EIF2AK3 (Ser719) Polyclonal antibody Catalog Number: 29546-1-AP 26 Publications

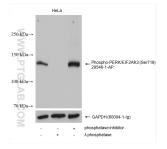


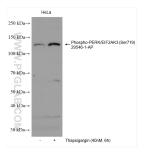
Basic Information	Catalog Number:	GenBank Accession Number:	Purification Method:
	29546-1-AP Size: 100ul , Concentration: 250 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	BC126354 GeneID (NCBI):	Antigen affinity purification Recommended Dilutions:
		9451	WB 1:500-1:2000
		UNIPROT ID: Q9NZJ5	
		Full Name: eukaryotic translation initiation factor 2-alpha kinase 3	
		Calculated MW: 1116 aa, 125 kDa	
		Observed MW: 140 kDa	
Applications	Tested Applications:	Positive Controls: WB : λ phosphatase treated HeLa cells, Thapsigargir treated HeLa cells	
	WB, ELISA Cited Applications: WB		
	Species Specificity:		
	human Cited Species:		
	Cited Species: human, mouse, rat, zebrafish, bovine		
Background Information	Cited Species: human, mouse, rat, zebrafish, bovine EIF2AK3 encodes the protein kinase (UPR) in response to ER stress. Under glucose-regulated protein (GRP) 78 (a autophosphorylation. Phosphorylate	RNA-like ER kinase (PERK), a key re ER stress conditions, activation of P also known as BiP) from its luminal d PERK subsequently phosphorylate tein translation and reduce incomi	
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For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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Selected Validation Data





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.

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.