

For Research Use Only

Phospho-eEF2K (Thr57) Polyclonal antibody

Catalog Number: 30811-1-AP



Basic Information

Catalog Number: 30811-1-AP	GenBank Accession Number: BC032665	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 29904	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: O00418	
Isotype: IgG	Full Name: eukaryotic elongation factor-2 kinase	
	Calculated MW: 725 aa, 100 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, NIH/3T3 cells, λ phosphatase treated HEK-293 cells
Species Specificity: Human, mouse	

Background Information

Eukaryotic elongation factor-2 kinase (eEF2K), well-known to be a Ca²⁺ calmodulin (CaM)-dependent kinase, is overexpressed in several types of malignancies, most notably Triple negative breast cancer (TNBC). Increasing evidence indicates that eEF2K may modulate the expression of some apoptotic proteins such as XIAP, c-FLIPL, Bcl-XL, PI3KCI and p70S6K to inhibit apoptotic process in cancer. On the other hand, it may regulate autophagy involved in AMPK, mTORC1 and ULK1, thereby promoting cancer cell survival. (PMID: 29094413)

Storage

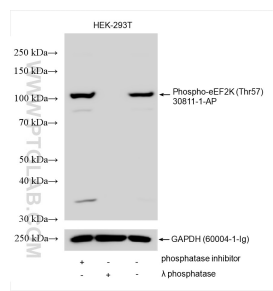
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



Non-treated HEK-293 cells, phosphatase inhibitor treated HEK-293 cells and λ phosphatase treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 30811-1-AP (Phospho-eEF2K (Thr57) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.