

For Research Use Only

# Phospho-eEF2K (Thr57) Polyclonal antibody



Catalog Number: 30811-1-AP

## Basic Information

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

## Applications

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

## Background Information

Eukaryotic elongation factor - 2 kinase (eEF2K), well - known to be a Ca<sup>2+</sup> 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

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

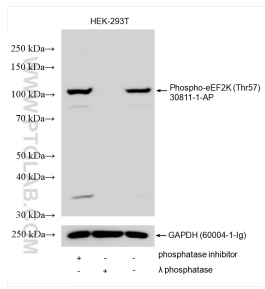
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## Selected Validation Data



Non-treated HEK-293 cells, phosphatase inhibitor treated HEK-293 cells and  $\lambda$  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.