

For Research Use Only

Phospho-eEF2K (Thr57) Recombinant antibody

Catalog Number: 80351-2-RR



Basic Information

Catalog Number: 80351-2-RR	GenBank Accession Number: BC032665	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 29904	CloneNo.: 250222A6
Source: Rabbit	UNIPROT ID: O00418	Recommended Dilutions: WB: 1:1000-1:4000
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 : HeLa cells,
Species Specificity: human	

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

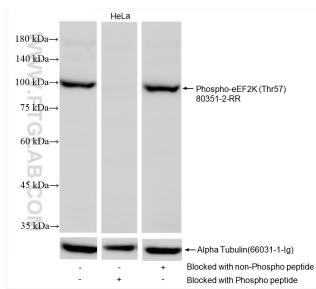
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



HeLa cell lysates were subjected to SDS PAGE followed by western blot with 80351-2-RR (Phospho-eEF2K (Thr57) antibody) blocked with BSA only, Phospho-eEF2K (Thr57) peptide or non-Phospho peptide at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.