

For Research Use Only

Phospho-RPS6KA1 (Thr359/Ser363) Polyclonal antibody



Catalog Number: 29225-1-AP

1 Publications

Basic Information

Catalog Number: 29225-1-AP	GenBank Accession Number: BC014966	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 200 µg/ml by Nanodrop;	GeneID (NCBI): 6195	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	Full Name: ribosomal protein S6 kinase, 90kDa, polypeptide 1	
Isotype: IgG	Calculated MW: 735 aa, 83 kDa	
	Observed MW: 83-90 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : λ phosphatase treated NIH/3T3 cells, PDGF treated NIH/3T3 cells
Cited Applications: WB	
Species Specificity: Human, Mouse	
Cited Species: pig	

Background Information

The 90 kDa ribosomal S6 kinases (RSK1-4) are a family of widely expressed serine/threonine kinases and play an important role in the MAPK signaling cascade and act downstream of ERK1/2 signaling. It can mediate mitogenic and stress-induced activation of the transcription factors CREB1, ETV1/ER81 and NR4A1/NUR77. RSK1 (RPS6KA1) is also designated as p90RSK associated with cellular proliferation, survival and differentiation. RPS6KA1 has some phosphorylation sites including Ser380, Thr359 and Ser363 which are important for kinase activation. (PMID: 16458888, 30813401, 17259979, 10679322)

Notable Publications

Author	Pubmed ID	Journal	Application
Dwight D Harris	37808040	JTCVS Open	WB

Storage

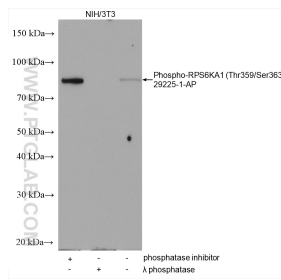
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide, 50% glycerol pH 7.3 and 0.05%BSA.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

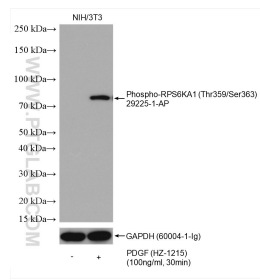
For technical support and original validation data for this product please contact:
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Selected Validation Data



Non-treated NIH/3T3, phosphatase inhibitor treated and λ phosphatase treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 29225-1-AP (Phospho-RPS6KA1 (Thr359/Ser363) antibody) at dilution of 1:3000 incubated at 4°C overnight.



Non-treated NIH/3T3 and PDGF (HZ-1215) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 29225-1-AP (Phospho-RPS6KA1 (Thr359/Ser363) antibody) at dilution of 1:2000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.