

For Research Use Only

Phospho-RPS6KA1 (Thr359/Ser363) Polyclonal antibody

Catalog Number: 29225-1-AP

1 Publications



Basic Information

Catalog Number:

29225-1-AP

Size:

100ul, Concentration: 200 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC014966

GeneID (NCBI):

6195

UNIPROT ID:

Q15418

Full Name:

ribosomal protein S6 kinase, 90kDa, polypeptide 1

Calculated MW:

735 aa, 83 kDa

Observed MW:

83-90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

pig

Positive Controls:

WB : λ phosphatase treated NIH/3T3 cells, PDGF treated NIH/3T3 cells

IF/ICC : λ phosphatase treated NIH/3T3 cells,

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide, 50% glycerol, and 0.05% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

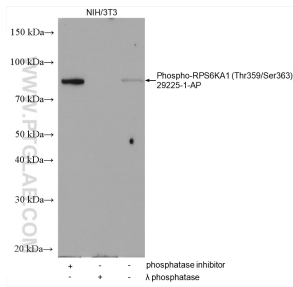
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

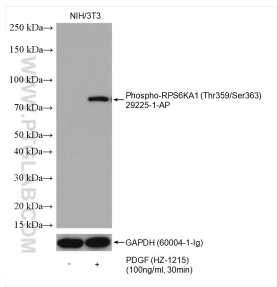
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

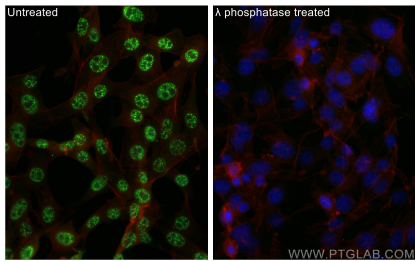
Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed λ phosphatase treated NIH/3T3 cells using Phospho-RPS6KA1 (Thr359/Ser363) antibody (29225-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).