

For Research Use Only

Phospho-RPS6KA1 (Ser380) Polyclonal antibody, PBS Only

Catalog Number: 28983-1-PBS



Basic Information

Catalog Number:

28983-1-PBS

Size:

100ug, Concentration: 1 mg/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

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse

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. It has been reported that the phosphorylation of RPS6KA1 at Ser380 is involved in autophosphorylation by activation of the C-terminal kinase domain. (PMID: 16458888, 30813401, 17259979, 10679322)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

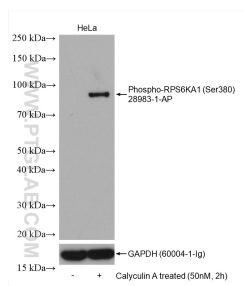
For technical support and original validation data for this product please contact:

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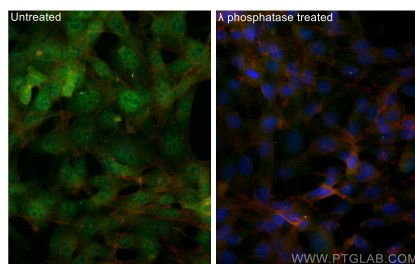
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Non-treated HeLa cells and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 28983-1-AP (Phospho-RPS6KA1 (Ser380) antibody) at dilution of 1:1000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control. This data was developed using the same antibody clone with 28983-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed λ phosphatase treated NIH/3T3 cells using Phospho-RPS6KA1 (Ser380) antibody (28983-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 28983-1-PBS in a different storage buffer formulation.