

For Research Use Only

Phospho-RPS6KA1 (Ser380) Polyclonal antibody



Catalog Number: 28983-1-AP **2 Publications**

Basic Information

Catalog Number: 28983-1-AP	GenBank Accession Number: BC014966	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 6195	Recommended Dilutions: WB 1:500-1:2000
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 : Calyculin A treated HeLa cells,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human	

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Chen	34650978	Front Cell Dev Biol	WB
Yunfeng Hu	36209218	Cell Death Dis	WB

Storage

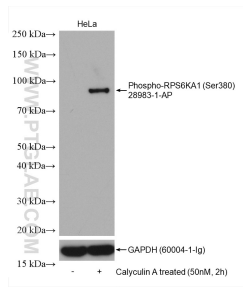
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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