

For Research Use Only

Phospho-S6 Ribosomal protein (Ser235/236) Polyclonal antibody

Catalog Number: 29223-1-AP

7 Publications



Basic Information

Catalog Number:

29223-1-AP

Size:

100ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC000524

GeneID (NCBI):

6194

UNIPROT ID:

P62753

Full Name:

ribosomal protein S6

Calculated MW:

29 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

Human, Mouse

Cited Species:

human, mouse

Positive Controls:

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

Background Information

Ribosomal protein S6 (RPS6), Phosphoprotein NP33. It may play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA. Ribosomal protein S6 is the major substrate of protein kinases in eukaryote ribosomes. The phosphorylation is stimulated by growth factors, tumor promoting agents, and mitogens. It is dephosphorylated at growth arrest. Phosphorylated at Ser-235 and Ser-236 by RPS6KA1 and RPS6KA3; phosphorylation at these sites facilitates the assembly of the preinitiation complex.

Notable Publications

Author	Pubmed ID	Journal	Application
Peng Du	34522186	Int J Med Sci	WB
Mengqi Liu	36144192	Metabolites	WB
Zhiyu Qian	38882096	ACS Omega	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

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

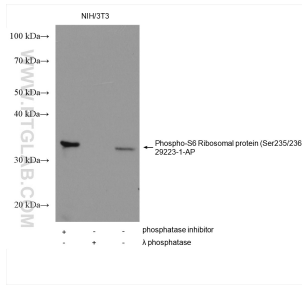
For technical support and original validation data for this product please contact:

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

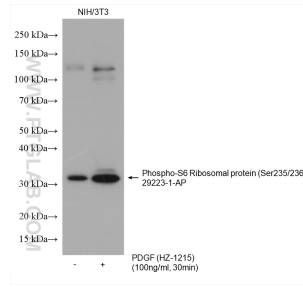
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Selected Validation Data



Non-treated NIH/3T3, phosphatase inhibitor treated and λ phosphatase treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 29223-1-AP (Phospho-S6 Ribosomal protein (Ser235/236) antibody) at dilution of 1:1000 incubated at room temperature for 1 hours.



Non-treated NIH/3T3 and PDGF (HZ-1215) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 29223-1-AP (Phospho-S6 Ribosomal protein (Ser235/236) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.