

For Research Use Only

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



Catalog Number: 29223-1-AP **4 Publications**

Basic Information

Catalog Number: 29223-1-AP	GenBank Accession Number: BC000524	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 6194	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: P62753	
Isotype: IgG	Full Name: ribosomal protein S6	
	Calculated MW: 29 kDa	
	Observed MW: 32 kDa	

Applications

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

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
Xueling Lin	37774765	Exp Neurol	IF

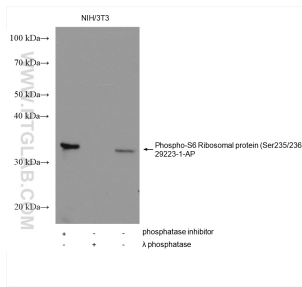
Storage

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

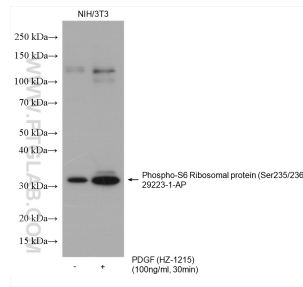
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Selected Validation Data



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.