

For Research Use Only

RPS6 Polyclonal antibody

Catalog Number: 14823-1-AP **15 Publications**



Basic Information

Catalog Number: 14823-1-AP	GenBank Accession Number: BC000524	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6194	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: ribosomal protein S6	
Isotype: IgG	Calculated MW: 29 kDa	
Immunogen Catalog Number: AG6599	Observed MW: 29-32 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : K-562 cells, MCF-7 cells, mouse kidney tissue
Cited Applications: IF, WB	IP : MCF-7 cells,
Species Specificity: human	
Cited Species: human, mouse, rat, zebrafish	

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
Xiang Xu	34561619	Cell Res	WB
Yuping Du	29745433	Mol Carcinog	WB
Dong Wang	26909613	Oncotarget	WB

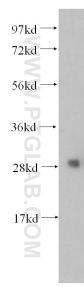
Storage

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

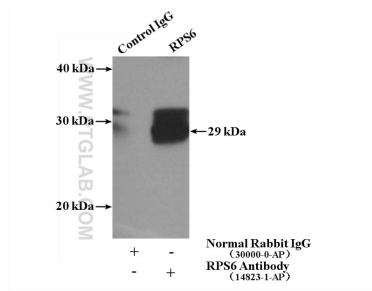
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 14823-1-AP (RPS6 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-RPS6 (IP:14823-1-AP, 4ug; Detection:14823-1-AP 1:400) with MCF-7 cells lysate 1040ug.