

For Research Use Only

S6 Ribosomal protein Polyclonal antibody

Catalog Number: 14823-1-AP

29 Publications



Basic Information

Catalog Number:

14823-1-AP

Size:

150ul, Concentration: 650 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6599

GenBank Accession Number:

BC000524

GeneID (NCBI):

6194

UNIPROT ID:

P62753

Full Name:

ribosomal protein S6

Calculated MW:

29 kDa

Observed MW:

29-32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF, IP, RIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, zebrafish

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : K-562 cells, MCF-7 cells, mouse kidney tissue

IP : MCF-7 cells,

IHC : human lung cancer tissue, human colon cancer tissue

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
Zhi-Wei Zhang	36288719	Cell Rep	WB
Yuping Du	29745433	Mol Carcinog	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

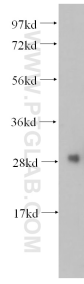
For technical support and original validation data for this product please contact:

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

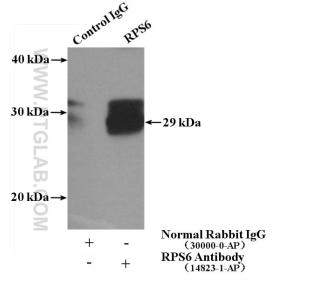
E: proteintech@ptglab.com
W: ptglab.com

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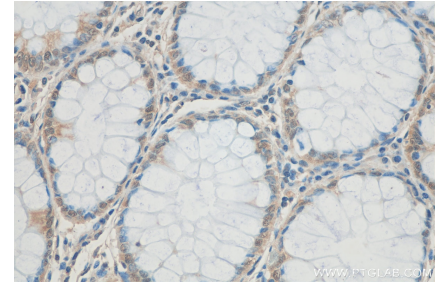
Selected Validation Data



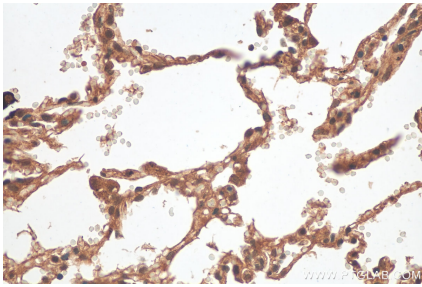
K-562 cells were subjected to SDS PAGE followed by western blot with 14823-1-AP (S6 Ribosomal protein antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



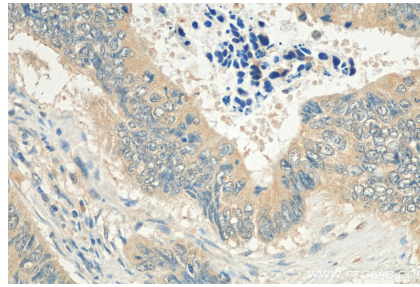
IP result of anti-S6 Ribosomal protein (IP:14823-1-AP, 4ug; Detection:14823-1-AP 1:400) with MCF-7 cells lysate 1040ug.



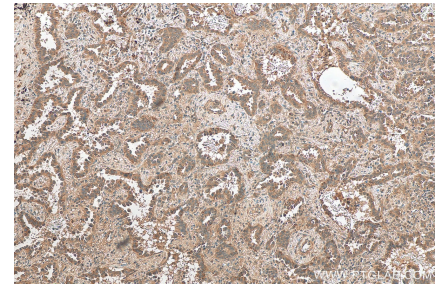
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14823-1-AP (S6 Ribosomal protein antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 14823-1-AP (S6 Ribosomal protein antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14823-1-AP (S6 Ribosomal protein antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 14823-1-AP (S6 Ribosomal protein antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).