



RPS6 (Phospho Ser240/Ser244) Rabbit mAb

Catalog No	YP-rAb-18457
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	RPS6
Protein Name	40S ribosomal protein S6
Purification Process	Protein A
Specificity	This antibody detects endogenous levels of Ribosomal Protein S6 only when phosphorylated at Ser240 or Ser244.
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:1000-1:4000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	RPS6 ; OK/SW-cl.2 ; 40S ribosomal protein S6 ; Phosphoprotein NP33
Observed Band	32kD
Calculated Molecular Weight	29kD
Cell Pathway	nucleus,nucleoplasm,nucleolus,cytoplasm,cytosol,ribosome,polysome,small ribosomal subunit,membrane,cytosolic small ribosomal subunit,dendrite,intracellular ribonucleoprotein complex,cytoplasmic ribonucleoprotein granula
Tissue Specificity	Brain,Colon,Colon adenocarcinoma,Epithelium,Muscle,Ovary,Pancreas,Placenta,Skin,Tes
Function	May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA.,PTM: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.,similarity:Belongs to the ribosomal protein S6e family.,
Background	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a

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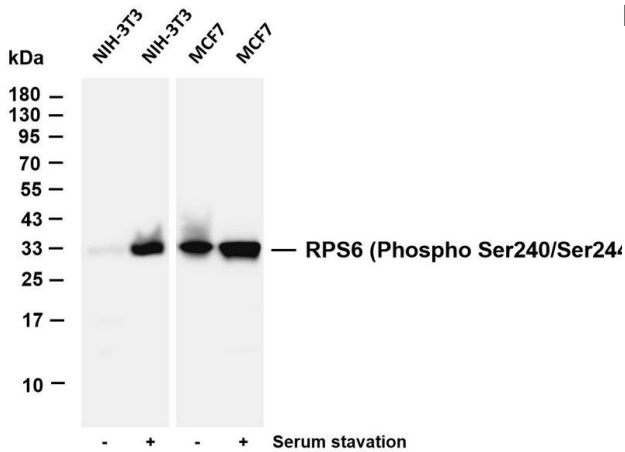
cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed

matters needing attention

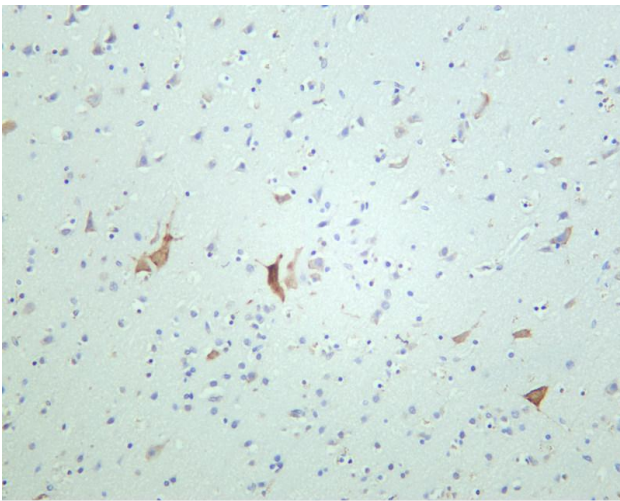
Avoid repeated freezing and thawing!

Usage suggestions

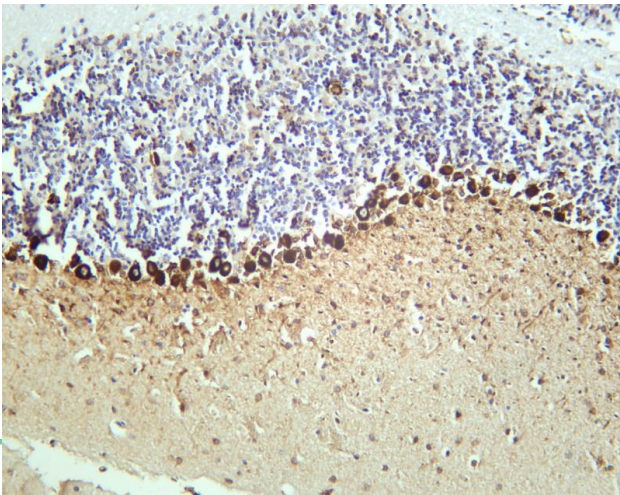
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Lane 2: NIH-3T3 was treated with PDGF(100 ng/mL) for 10 minutes



Human brain was stained with anti-RPS6 (Phospho Ser240/Ser244) rabbit antibody



Mouse brain was stained with anti-RPS6 (Phospho Ser240/Ser244) rabbit antibody

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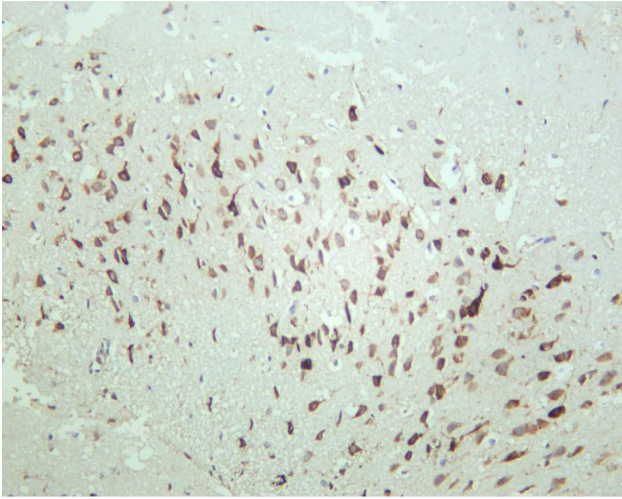
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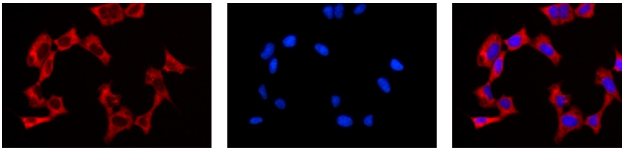
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Rat brain was stained with anti-RPS6 (Phospho Ser240/Ser244) rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: RPS6 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

A

B

C

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