

RPS6 (Phospho Ser240/Ser244) (PT0447R) PT™ Rabbit mAb

CatalogNo: YM8230 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 29kD (Calculated)
32kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

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

Basic Information

Clonality Monoclonal

Clone Number PT0447R

Immunogen Information

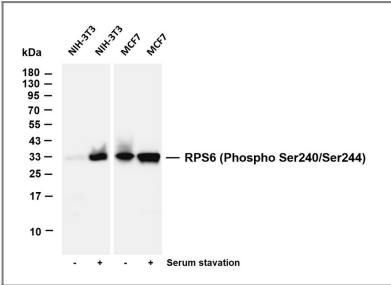
Immunogen The specific immunogen used to produce this antibody is proprietary information.

Specificity This antibody detects endogenous levels of Ribosomal Protein S6 only when phosphorylated at Ser240 or Ser244.

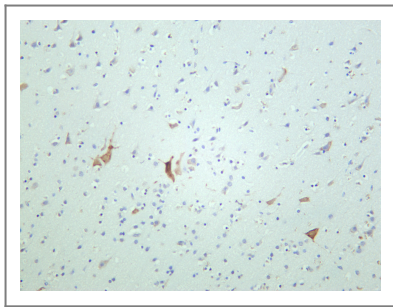
Target Information

Gene name	RPS6		
Protein Name	40S ribosomal protein S6		
	Organism	Gene ID	UniProt ID
	Human	6194 ;	P62753 ;
	Mouse	20104 ;	P62754 ;
	Rat	29304 ;	P62755 ;
Cellular Localization	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	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. ,		

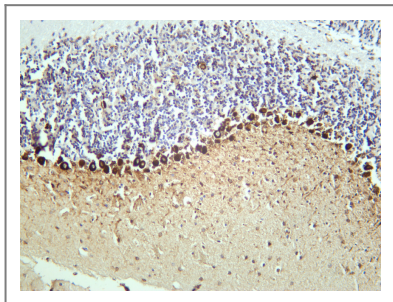
Validation Data



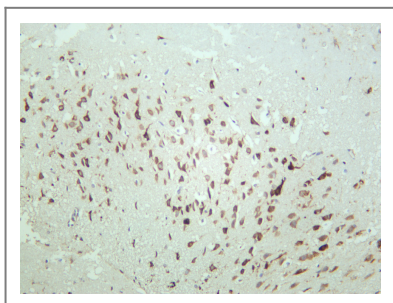
Lane 2: NIH-3T3 was treated with PDGF (100 ng/mL) for 10 minutes



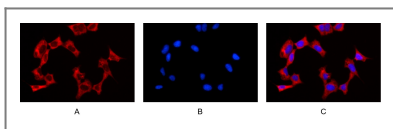
Human brain was stained with anti-RPS6 (Phospho Ser240/Ser244) rabbit antibody



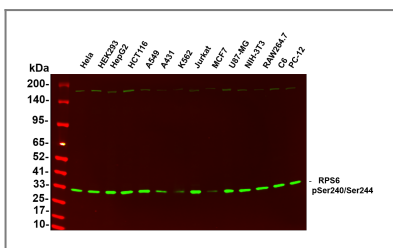
Mouse brain was stained with anti-RPS6 (Phospho Ser240/Ser244) rabbit antibody



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



Western blot analysis of Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4~C, over night with a 1:2500 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody(Cat:RS23920) was used to detect the antibody. Lane1: NIH-3T3 Immortalized mouse embryonic fibroblast Lane2: RAW264.7 Murine monocyte-macrophage cell Lane3: C6 Rat astrocytic glioma cell

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Please scan the QR code to access additional product information:
RPS6 (Phospho Ser240/Ser244) (PT0447R) PT™ Rabbit mAb

