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

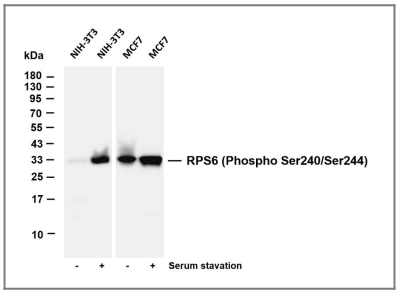
Organism	Gene ID	UniProt ID
Human	6194;	P62753;
Mouse	20104;	P62754;
Rat	29304;	P62755;

Cellular Localization nucleus ,nucleoplasm ,nucleolus ,cytoplasm ,cytosol ,ribosome ,polysome ,small ribosomal subunit ,membrane ,cytosolic small ribosomal subunit ,dendrite ,intracellular ribonucleoprotein complex ,cytoplasmic ribonucleoprotein granula

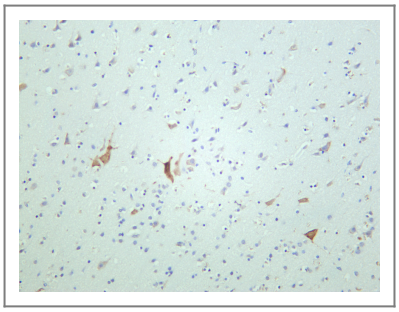
Tissue specificity Brain ,Colon ,Colon adenocarcinoma ,Epithelium ,Muscle ,Ovary ,Pancreas ,Placenta ,Skin ,Tes

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. ,

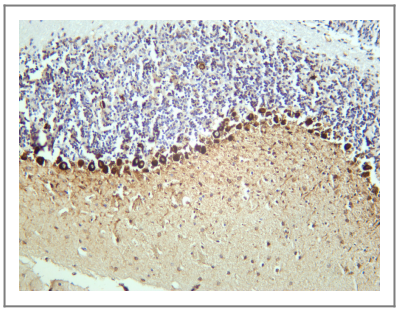
Validation Data



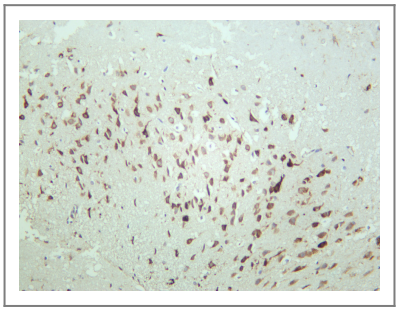
Lane 2: NIH-3T3 was treated with PDGF (100 ng/mL) for 10 minutes



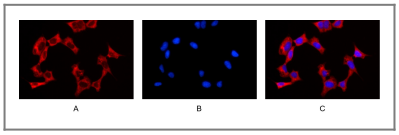
Human brain was stained with anti-RPS6 (Phospho Ser240/Ser244) rabbit antibody



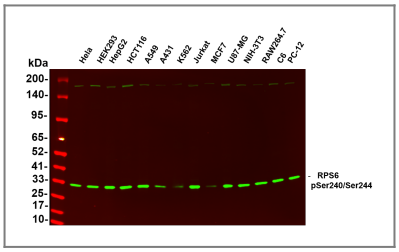
Mouse brain was stained with anti-RPS6 (Phospho Ser240/Ser244) rabbit antibody



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 Dilight 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

Contact information

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

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