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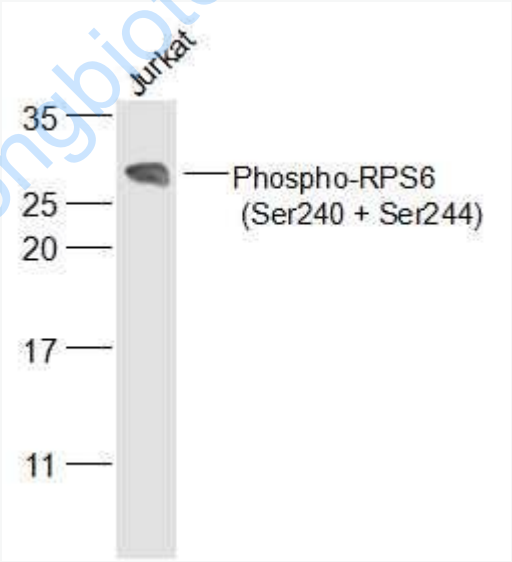
Rabbit Anti-Phospho-RPS6 (Ser240 + Ser244) antibody

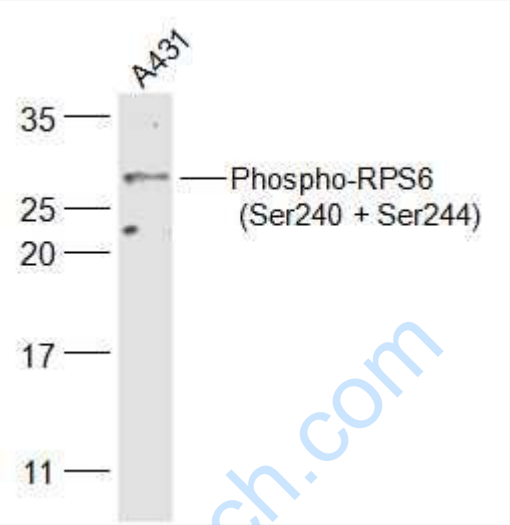
SL3389R

Product Name:	Phospho-RPS6 (Ser240 + Ser244)
Chinese Name:	磷酸化S6核糖体蛋白(Ser240/244)抗体
Alias:	RPS6 (phospho S240 + S244); p-RPS6 (phospho S240 + S244); Air8; DS6; Hemocytes enlarged; Hen; L(1)AIR8; Lethal (1) haemocytes enlarged; Lethal aberrant immune response 8; Lethal(1)abberant immune response[8]; Phosphoprotein NP33; Pp30; Ribosomal protein S6; RP S6; RPS 6; RpS6; RS6; RS6_HUMAN; S6; S6 Ribosomal Protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:100-1000 ELISA=1:100-1000 IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human S6 Ribosomal Protein around the phosphorylation site of Ser240/244:RA(p-S)TSK(p-S)ES
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:	PubMed
Product Detail:	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 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 pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008] **Function:** May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA. **Post-translational modifications:** 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. Phosphrylated at Ser-235 and Ser-236 by RPS6KA1 and RPS6KA3; phosphorylation at these sites facilitates the assembly of the preinitiation complex. **Similarity:** Belongs to the ribosomal protein S6e family. **SWISS:** P62753 **Gene ID:** 6194 **Database links:** Entrez Gene: 6194 Human Entrez Gene: 20104 Mouse Entrez Gene: 667739 Mouse Entrez Gene: 29304 Rat Omim: 180460 Human

	SwissProt: P62753 Human SwissProt: P62754 Mouse SwissProt: P62755 Rat Unigene: 408073 Human Unigene: 379007 Mouse Unigene: 425090 Mouse Unigene: 34341 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Jurkat(Human) Cell Lysate at 30 ug Primary: Anti-Phospho-RPS6 (Ser240 + Ser244) (SL3389R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kD

Observed band size: 29 kD



Sample:

A431(Human) Cell Lysate at 30 ug

Primary: Anti-Phospho-RPS6 (Ser240 + Ser244) (SL3389R) at 1/500 dilution

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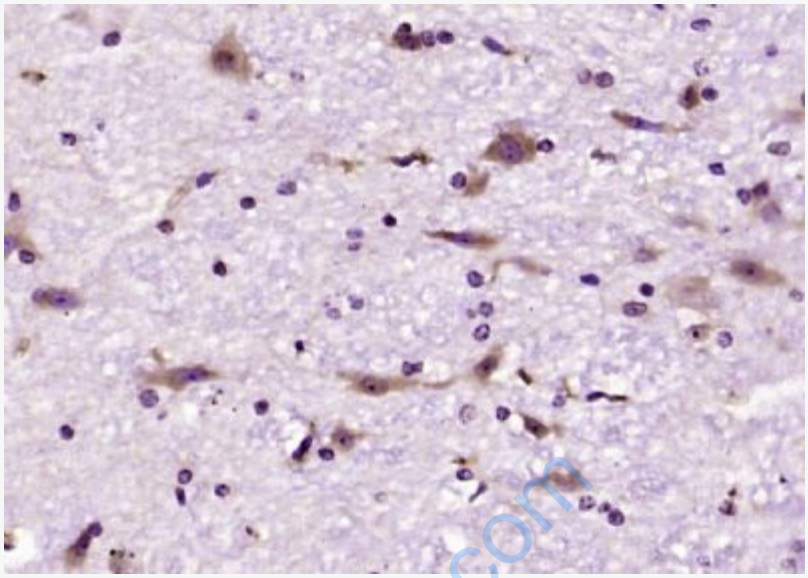
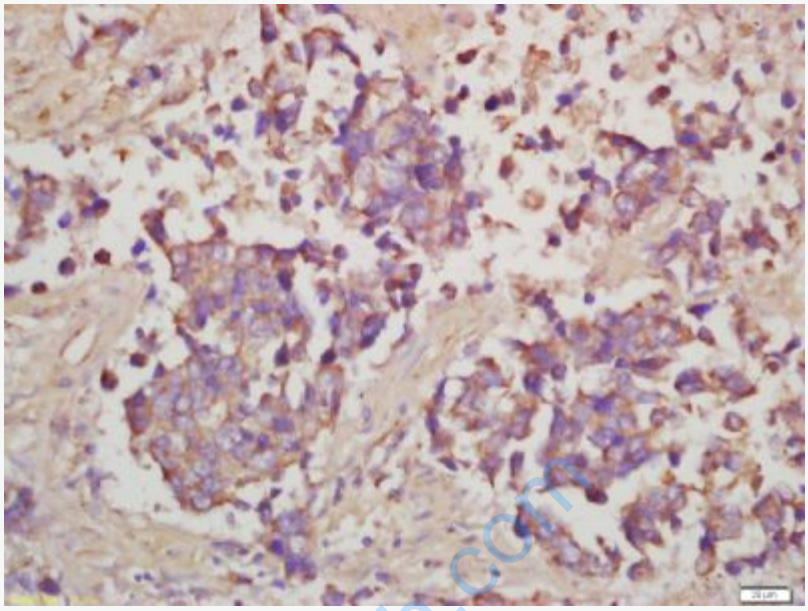


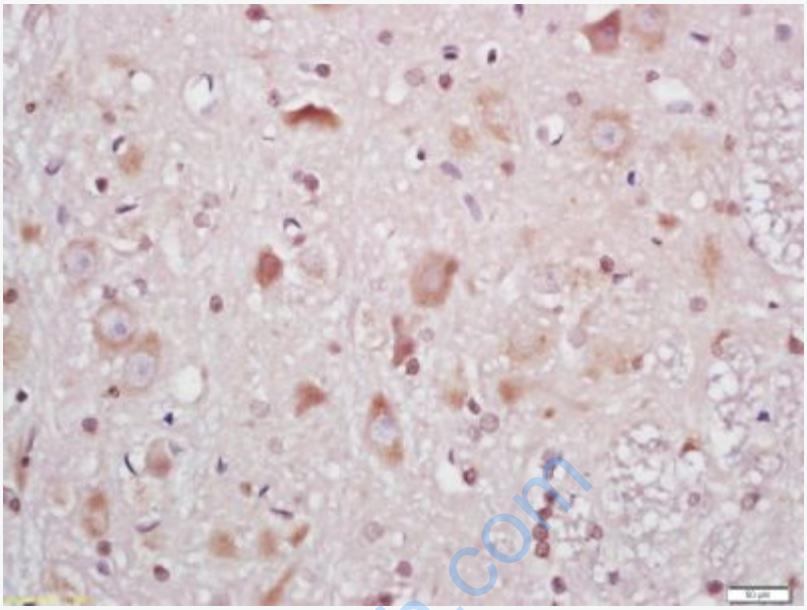
Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with(Phospho-RPS6(Ser240+Ser244)) Polyclonal Antibody, Unconjugated (SL3389R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-Phospho-RPS6 (Ser240+Ser244) Polyclonal Antibody, Unconjugated(SL3389R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-Phospho-RPS6 (Ser240+Ser244) Polyclonal Antibody, Unconjugated(SL3389R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining