



Rabbit Anti-Phospho-p70 S6 Kinase Beta 2 (Tyr389) antibody

SL3498R

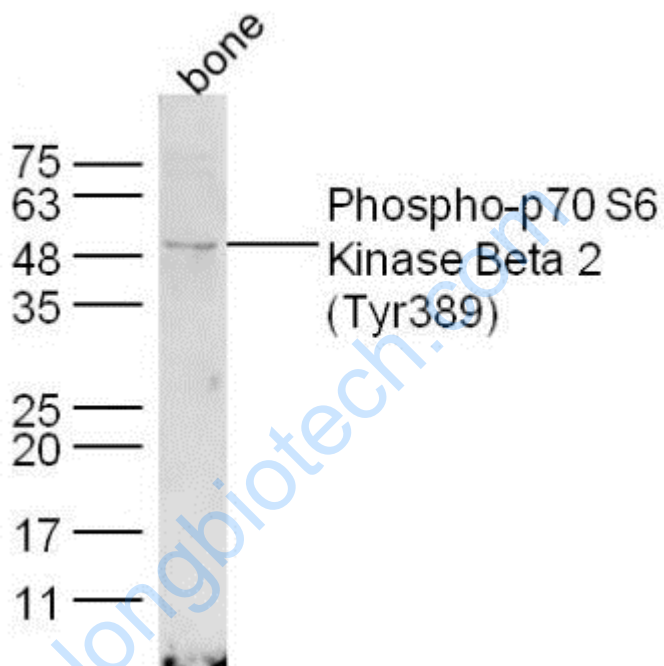
Product Name:	Phospho-p70 S6 Kinase Beta 2 (Tyr389)
Chinese Name:	磷酸化核糖体S6蛋白激酶β2抗体
Alias:	RPS6KB2(phospho Y389); S6K (phospho Y389); p-S6K(Tyr389); p70 S6 Kinase Beta 2 (phospho Tyr389); 70 kDa ribosomal protein S6 kinase 2; EC 2.7.11.1; KS6B2_HUMAN; p70 beta; p70 ribosomal S6 kinase beta; p70 S6 kinase beta; p70 S6K-beta; p70 S6KB; p70 S6Kbeta; p70(S6K) beta; p70-beta; p70-S6K 2; P70S6K2; p70S6Kb; Ribosomal protein S6 kinase 70kDa, polypeptide 2; Ribosomal protein S6 kinase beta 2; Ribosomal protein S6 kinase beta-2; Rps6kb2; S6 kinase related kinase; S6 kinase-related kinase; S6K beta 2; S6K beta; S6K-beta; S6K-beta-2; S6K2; Serine/threonine kinase 14 beta; Serine/threonine-protein kinase 14B; SRK; STK14B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-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:	53kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human p70 S6 Kinase Beta 2 around the phosphorylation site of Tyr389:FT(p-Y)VA
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:	<p>Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.</p> <p>Function: Phosphorylates specifically ribosomal protein S6.</p> <p>Post-translational modifications: Phosphorylated upon DNA damage, probably by ATM or ATR.</p> <p>Similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 protein kinase domain.</p> <p>SWISS: Q9UBS0</p> <p>Gene ID: 6199</p> <p>Database links: Entrez Gene: 6199Human Entrez Gene: 58988Mouse Omim: 608939Human SwissProt: Q9UBS0Human SwissProt: Q9Z1M4Mouse Unigene: 534345Human Unigene: 271937Mouse</p>

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



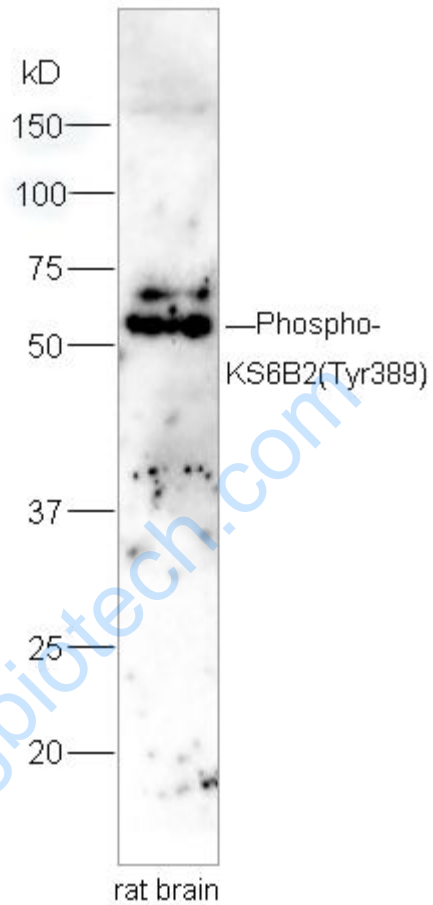
Sample: Bone (Mouse) Lysate at 40 ug

Primary: Anti- phospho-p70S6 Kinase Beta(Tyr389) (SL3498R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/10000 dilution

Predicted band size: 53 kD

Observed band size: 53 kD



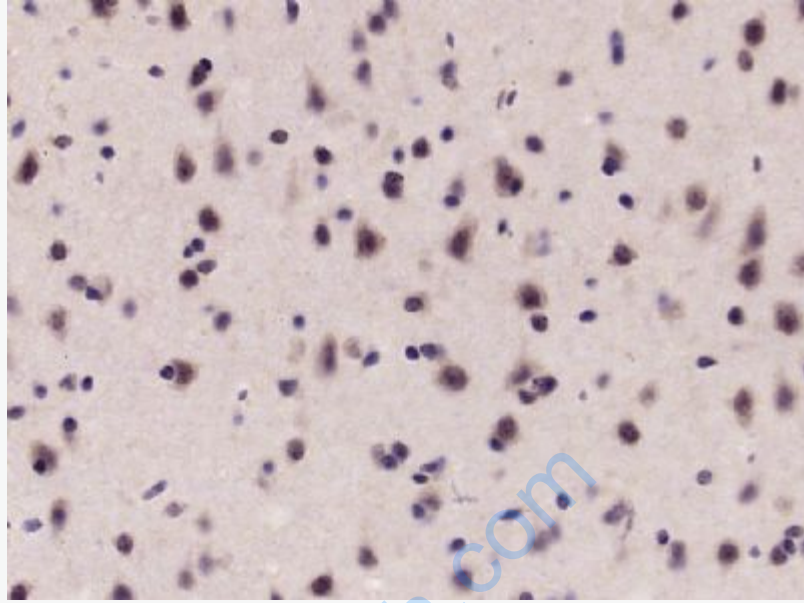
Sample: Brain(Rat) lysate at 30ug;

Primary: Anti-Phospho-p70 S6 Kinase Beta 2(Tyr389) (SL3498R) at 1:200 dilution;

Secondary: HRP conjugated Goat Anti-Rabbit IgG(SL3498R) at 1: 5000 dilution;

Predicted band size : 53kD

Observed band size : 53kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3%BSA) at RT for 30min; Antibody incubation with (RPS6KB2) Polyclonal/Monoclonal Antibody, Unconjugated (SL3498R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.