

bs-3498R**[Primary Antibody]****Bioss**
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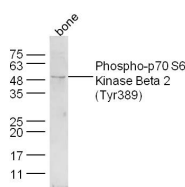
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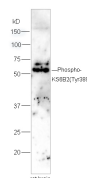
400-901-9800

Phospho-p70 S6 Kinase Beta 2 (Tyr389) Rabbit pAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 6199**SWISS:** Q9UBS0**Target:** Phospho-p70 S6 Kinase Beta 2 (Tyr389)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human RPS6KB2 around the phosphorylation site of Tyr389: FT(p-Y)VA.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

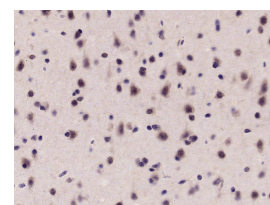
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17. [provided by RefSeq, Jan 2013].**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse
(predicted: Rat, Pig, Cow, Dog, Horse)**Predicted MW.:** 53 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

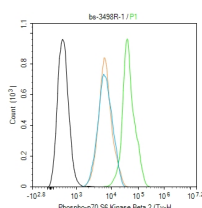
Sample: Bone (Mouse) Lysate at 40 ug Primary: Anti-phospho-p70S6 Kinase Beta(Tyr389) (bs-3498R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/10000 dilution Predicted band size: 53 kD Observed band size: 53 kD



Sample: Brain(Rat) lysate at 30ug; Primary: Anti-Phospho-p70 S6 Kinase Beta 2(Tyr389) (bs-3498R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) 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 citratebuffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3%BSA) at RTfor 30min; Antibody incubation with (RPS6KB2) Polyclonal/MonoclonalAntibody, Unconjugated (bs-3498R) at 1:400 overnight at 4°C,followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



Blank control (black line) :HeLa. Primary Antibody (green line): Rabbit Anti-Phospho-p70 S6 Kinase Beta 2 (Tyr389) antibody (bs-3498R) Dilution:1ug/Test; Secondary Antibody (white)

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

blue line) : Goat anti-rabbit IgG-AF488 Dilution:
0.5ug/Test. Isotype control (orange line) :
Normal Rabbit IgG Protocol The cells were fixed
with 4% PFA (10min at room temperature)and
then permeabilized with 90% ice-cold methanol
for 20 min at -20°C, The cells were then
incubated in 5%BSA to block non-specific
protein-protein interactions for 30 min at room
temperature .Cells stained with Primary
Antibody for 30 min at room temperature. The
secondary antibody used for 40 min at room
temperature. Acquisition of 20,000 events was
performed.

— SELECTED CITATIONS —

- **[IF=4.2]** Huaina Jin. et al.The L-Ascorbic Acid Increases Proliferation and Differentiation of Yanbian Cattle Skeletal Muscle Satellite Cells by Activating the Akt/mTOR/P70S6K Signaling Pathway..Food Science of Animal Resources.2025 Mar;45(2):484-503. Cell proliferation and differentiation ;Bovine. 40093636
- **[IF=0.85]** Hiyama et al. Nutrient starvation affects expression of LC3 family at the feto-maternal interface during murine placentation. (2015) J.Vet.Med.Sc. 77:305-11 WB ;Mouse. 25421500