

bs-5669R**[Primary Antibody]****phospho-RPS6KB1 (Thr412) Rabbit pAb****Bioss**
ANTIBODIES

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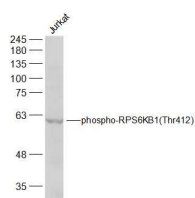
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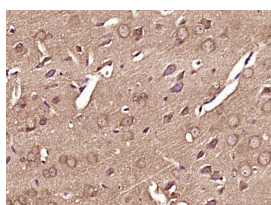
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— DATASHEET —

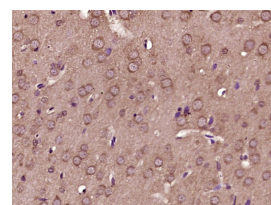
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 6198	SWISS: P23443	IHC-F (1:100-500)
Target: RPS6KB1 (Thr412)		IF (1:100-500)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human RPS6KB1 around the phosphorylation site of Thr412: GF(p-T)YV.		Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Chicken, Dog)
Purification: affinity purified by Protein A		Predicted MW.: 58 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
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]		

— VALIDATION IMAGES —

Sample: Jurkat(Human) Cell Lysate at 30 ug
 Primary: Anti-phospho-RPS6KB1(Thr412)
 (bs-5669R) at 1/300 dilution Secondary:
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000
 dilution Predicted band size: 58 kD Observed
 band size: 58 kD



Paraformaldehyde-fixed, paraffin embedded
 (mouse brain 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 (RPS6KB1(Thr412)) Polyclonal
 Antibody, Unconjugated (bs-5669R) at 1:400
 overnight at 4°C, followed by operating
 according to SP Kit(Rabbit) (sp-0023)
 instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat
 brain 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 (RPS6KB1(Thr412)) Polyclonal
 Antibody, Unconjugated (bs-5669R) at 1:400
 overnight at 4°C, followed by operating
 according to SP Kit(Rabbit) (sp-0023)
 instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=3.7]** Wei Yu. et al. Glucose promotes cell growth and casein synthesis via ATF4/Nrf2-Sestrin2- AMPK-mTORC1 pathway in dairy cow mammary epithelial cells. ANIM BIOTECHNOL. 2023 Jul 12 WB ;Bovine. 37435839
- **[IF=0]** Tucci J et al. Switch to low-fat diet improves outcome of acute lymphoblastic leukemia in obese mice.(2018)Cancer Metab.;6:15. FCM ;Mouse. 30410754

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