

**bs-5673R****[ Primary Antibody ]**

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ANTIBODIES

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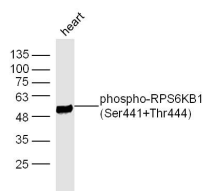
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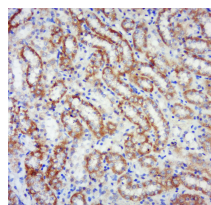
400-901-9800

**phospho-RPS6KB1 (Ser441+Thr444) Rabbit pAb****— DATASHEET —**

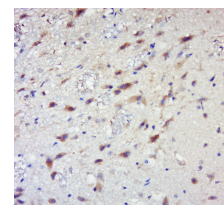
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 6198	<b>SWISS:</b> P23443	<b>IHC-F</b> (1:100-500)
<b>Target:</b> phospho-RPS6KB1 (Ser441+Thr444)		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human RPS6KB1 around the phosphorylation site of Ser441+Thr444: IG(p-S)PR(p-T)PV.		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 58 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Storage:</b> 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.		
<b>Background:</b> 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: Heart (Mouse) Lysate at 40 ug Primary:  
Anti- phospho-RPS6KB1(Ser441+Thr444)  
(bs-5673R) at 1/300 dilution Secondary:  
IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
dilution Predicted band size: 58 kD Observed  
band size: 58 kD



Tissue/cell: Rat kidney 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°C for 20 min; Incubation:  
Anti-phospho-RPS6KB1(Ser441+Thr444)  
Polyclonal Antibody, Unconjugated(bs-5673R)  
1:400, 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°C for 20 min; Incubation:  
Anti-phospho-RPS6KB1(Ser441+Thr444)  
Polyclonal Antibody, Unconjugated(bs-5673R)  
1:400, overnight at 4°C, followed by  
conjugation to the secondary antibody(SP-0023)  
and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=6.117]** Gang Lin. et al. ARID1B blocks methionine-stimulated mTOR activation to inhibit milk fat and protein synthesis in and proliferation of mouse mammary epithelial cells. J NUTR BIOCHEM. 2023 Jan;;109274 WB ;Mouse. 36681308