

**bs-3156R****[ Primary Antibody ]****phospho-GCN2 (Thr667) Rabbit pAb****Bioss**  
**ANTIBODIES**

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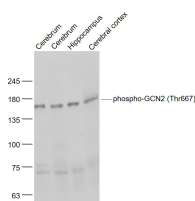
sales@bioss.com.cn

techsupport@bioss.com.cn

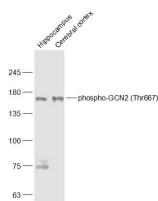
400-901-9800

**— DATASHEET —**

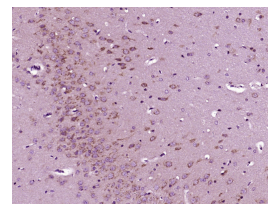
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Mouse, Rat (predicted: Human, Cow, Dog, Horse)  <b>Predicted MW.:</b> 181 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 440275	<b>SWISS:</b> Q9P2K8	
<b>Target:</b> GCN2 (Thr667)		
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human GCN2 around the phosphorylation site of Thr667: PG(p-T)PP.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<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> GCN2 belongs to a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor 2 to downregulate protein synthesis in response to varied cellular stresses.		

**— VALIDATION IMAGES —**

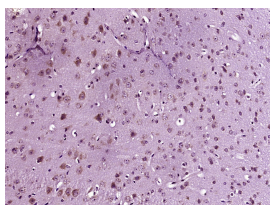
Sample: Cerebrum (Mouse) Lysate at 40 ug  
Cerebrum (Rat) Lysate at 40 ug Hippocampus (Mouse) Lysate at 40 ug Cerebral cortex (Mouse) Lysate at 40 ug  
Primary: Anti-phospho-GCN2 (Thr667) (bs-3156R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 181 kD  
Observed band size: 170/181 kD



Sample: Hippocampus (Mouse) Lysate at 40 ug  
Cerebral cortex (Mouse) Lysate at 40 ug  
Primary: Anti-phospho-GCN2 (Thr667) (bs-3156R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 181 kD  
Observed band size: 170 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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-GCN2 (Thr667)) Polyclonal Antibody, Unconjugated (bs-3156R) 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 (Mouse brain); 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-GCN2 (Thr667)) Polyclonal Antibody, Unconjugated (bs-3156R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023)

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

instructions and DAB staining.