bs-3156R

[Primary Antibody]

phospho-GCN2 (Thr667) Rabbit pAb



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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 440275 SWISS: Q9P2K8

Target: GCN2 (Thr667)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

GCN2 around the phosphorylation site of Thr667: PG(p-T)PP.

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: 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.

Applications: WB (1:500-2000)

IHC-P (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Mouse, Rat

(predicted: Human, Cow,

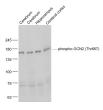
Dog, Horse)

Predicted

181 kDa MW.:

Subcellular Cytoplasm Location:

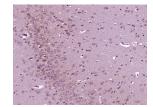
VALIDATION IMAGES



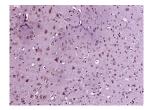
Sample: Cerebrum (Mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug Hippocampus (Mouse) Lysate at 40 ug Cerebral cortex (Mouse) Lysate at 40 ug Primary: Anti- phospho-GCN2 (Thr667) (bs-3156R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 181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

