

**bs-2768R****[ Primary Antibody ]****EIF2AK4/GCN2 Rabbit pAb****Bioss**  
**ANTIBODIES**

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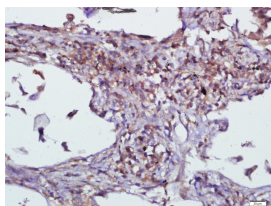
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 440275	<b>SWISS:</b> Q9P2K8	<b>IF</b> (1:100-500)
<b>Target:</b> EIF2AK4/GCN2		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Dog, Horse)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human GCN2: 1401-1500/1649.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 189 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm
<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 —**

Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); 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 (GCN2) Polyclonal Antibody, Unconjugated (bs-2768R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.