

**bs-18674R****[ Primary Antibody ]****MAPKAPK2/3 Rabbit pAb****Bioss**  
**ANTIBODIES**

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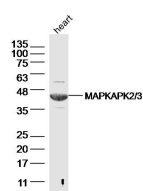
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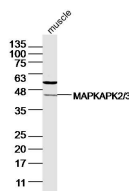
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)
<b>GeneID:</b> 7867	<b>SWISS:</b> P49137	<b>Predicted MW.:</b> 46 kDa
<b>Target:</b> MAPKAPK2/3		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MAPKAPK2/3: 161-260/400.		
<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> This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011]		

**— VALIDATION IMAGES —**

Sample: Heart (Mouse) Lysate at 40 ug Primary:  
Anti-MAPKAPK2/3 (bs-18674R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 46 kD  
Observed band size: 46 kD



Sample: Muscle (Mouse) Lysate at 40 ug Primary:  
Anti-MAPKAPK2/3 (bs-18674R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 46 kD  
Observed band size: 46 kD