

**bs-1689R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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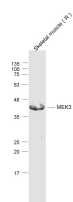
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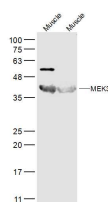
400-901-9800

**MEK3 Rabbit pAb****— DATASHEET —**

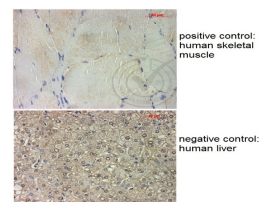
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 5606	<b>SWISS:</b> P46734	<b>IHC-F</b> (1:100-500)
<b>Target:</b> MEK3		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MKK3: 251-347/347.		<b>Reactivity:</b> Human, Mouse, Rat
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 39 kDa
<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>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Background:</b> The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersinia pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq].		

**— VALIDATION IMAGES —**

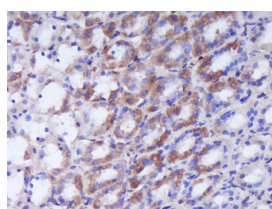
Sample: Skeletal muscle (Rat) Lysate at 40 ug  
 Primary: Anti-MEK3 (bs-1689R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD  
 Observed band size: 39 kD



Sample: Muscle (Mouse) Lysate at 40 ug  
 Primary: Anti-MEK3 (bs-1689R) at 1/500 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD  
 Observed band size: 39 kD



Images provided by the Independent Validation Program (badge number 029754) Formalin-fixed and paraffin embedded human skeletal muscle labeled with Rabbit Anti-MEK3/MAP2K3 Polyclonal Antibody (bs-1689R) at 1:250 overnight at room temperature followed by conjugation to secondary antibody.



Paraformaldehyde-fixed, paraffin embedded (Rat stomach); 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

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

goat serum) at 37°C for 30min; Antibody incubation with (MEK3) Polyclonal Antibody, Unconjugated (bs-1689R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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## — SELECTED CITATIONS —

- **[IF=3.989]** Li Meng. et al. Comprehensive Analysis of 5-Methylcytosine Profiles of Messenger RNA in Human High-Grade Serous Ovarian Cancer by MeRIP Sequencing. Cancer Manag Res. 2021 Aug;13:6005-6018 IF ;Human. 34377020
- **[IF=2.8]** Jie-Mei Jiang. et al. Proteomic insights into the molecular mechanism of anlotinib inhibition in TP53-mutated non-small cell lung cancer...Journal of Proteomics. 2025 Mar 18;316:105433. Western blot ;Human. 40113013