

**bs-3394R****[ Primary Antibody ]****phospho-MEK4 (Ser257 + Thr261) Rabbit pAb****BioSS**  
ANTIBODIES

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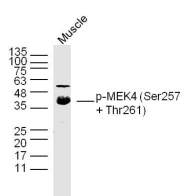
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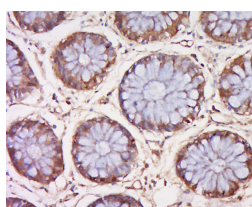
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 6416 <b>Target:</b> MEK4 (Ser257 + Thr261) <b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human SEK1/MKK4 around the phosphorylation site of Ser257/Thr261: VD(p-S)IAK(p-T)RD. <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 mitogen-activated protein kinase (MAPK) family. Members of this family act as an integration point for multiple biochemical signals and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation, and development. They form a three-tiered signaling module composed of MAPKKKs, MAPKKs, and MAPKs. This protein is phosphorylated at serine and threonine residues by MAPKKKs and subsequently phosphorylates downstream MAPK targets at threonine and tyrosine residues. A similar protein in mouse has been reported to play a role in liver organogenesis. A pseudogene of this gene is located on the long arm of chromosome X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]	<b>Isotype:</b> IgG <b>SWISS:</b> P45985 <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> Human, Mouse (predicted: Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse) <b>Predicted MW.:</b> 44 kDa <b>Subcellular Location:</b> Nucleus
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**— VALIDATION IMAGES —**

Sample: Muscle (Mouse) Lysate at 30 ug Primary:  
Anti- p-MEK4(Ser257+Thr261) (bs-3394R) at  
1/300 dilution Secondary: IRDye800CW Goat  
Anti-Rabbit IgG at 1/10000 dilution Predicted  
band size: 44 kD Observed band size: 44 kD



Tissue/cell: human cervical carcinoma; 4%  
Paraformaldehyde-fixed and paraffin-  
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen  
peroxide for 30min; Blocking buffer (normal goat  
serum, C-0005) at 37°C for 20 min; Incubation:  
Anti-MEK4 Polyclonal Antibody,  
Unconjugated(bs-3394R) 1:500, overnight at 4°C,  
followed by conjugation to the secondary  
antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=4.8]** Gang wang, et al. Taraxasterol extracted from Ixeridium gramineum (Fisch.) Tzvel. attenuated D-GaIN/LPS-Induced Fulminant Hepatitis by modulating the JAK/STAT and TNF signalling pathways. J ETHNOPHARMACOL. 2024 Dec;119256 WB ;Mouse. 39701218