

**bs-3269R****[ Primary Antibody ]****phospho-MEK1 (Thr286) Rabbit pAb****Bioss**  
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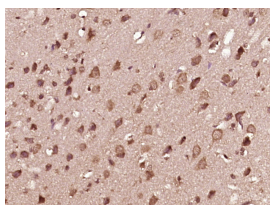
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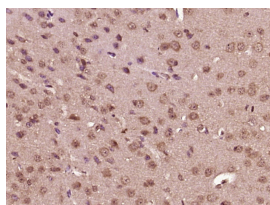
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 407835 <b>Target:</b> MEK1 (Thr286) <b>Immunogen:</b> KLH conjugated synthesised phosphopeptide derived from human MEK1 around the phosphorylation site of Thr286: AE(p-T)P. <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> The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene. [provided by RefSeq, Jul 2008].	<b>Isotype:</b> IgG <b>SWISS:</b> P36507 <b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Mouse, Rat (predicted: Human, Rabbit, Pig, Cow) <b>Predicted MW.:</b> 43 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); 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 (MEK1 (Thr286)) Polyclonal Antibody, Unconjugated (bs-3269R) 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 tissue); 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 (MEK1 (Thr286)) Polyclonal Antibody, Unconjugated (bs-3269R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=4.486]** Kai Li. et al. Novel Multitarget Directed Tacrine Hybrids as Anti-Alzheimer's Compounds Improved Synaptic Plasticity and Cognitive Impairment in APP/PS1 Transgenic Mice. Acs Chem Neurosci. 2020;11(24):4316–4328 WB ;Mouse. 33216529
- **[IF=3.6]** Zhou Si Yun. et al. Rosmarinic acid activates the Ras/Raf/MEK/ERK signaling pathway to regulate CD8+ T cells

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and autophagy to clear Chlamydia trachomatis in reproductive tract-infected mice. MOL IMMUNOL. 2024 Jul;171:105 WB  
;Mouse. 38820902