

**bs-5427R****[ Primary Antibody ]****phospho-MEK2 (Thr394) Rabbit pAb****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

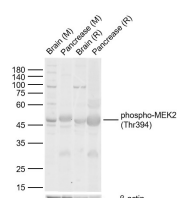
sales@bioss.com.cn

techsupport@bioss.com.cn

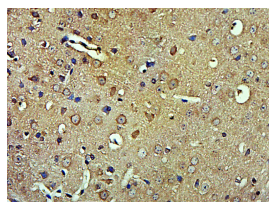
400-901-9800

**— DATASHEET —**

<p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 407835</p> <p><b>Target:</b> MEK2 (Thr394)</p> <p><b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human MEK2 around the phosphorylation site of Thr394: PG(p-T)PT.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><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.</p> <p><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].</p>	<p><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)</p> <p><b>Reactivity:</b> Mouse, Rat (predicted: Human)</p> <p><b>Predicted MW.:</b> 46 kDa</p> <p><b>Subcellular Location:</b> Cell membrane ,Cytoplasm</p>
--	---

**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Brain Lysates Lane 2: Mouse Pancreas Lysates Lane 3: Rat Brain Lysates Lane 4: Rat Pancreas Lysates Primary: Anti-phospho-MEK2 (Thr394)(bs-5427R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46kDa Observed band size: 46 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (phospho-MEK2(Thr394)) Polyclonal Antibody, Unconjugated (bs-5427R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=5.391]** Liang RY et al. MEK2 is a critical modulating mechanism to down - regulate GCIP stability and function in cancer cells. FASEB J. 2019 Dec 19. IHC ;Human. 31907980