

bs-3270R**[Primary Antibody]****phospho-MEK1/2 (Ser218 + Ser222) Rabbit pAb****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:1000-2000) ELISA (1:5000-10000)
Clonality: Polyclonal		
GeneID: 407835	SWISS: P36507	Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog)
Target: MEK1/2 (Ser218 + Ser222)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human MEK1 around the phosphorylation site of Ser218/222: ID(p-S)MAN(p-S)FV.		Predicted MW.: 43 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane ,Cytoplasm
Concentration: 1mg/ml		
Storage: 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.		
Background: 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 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].		

— SELECTED CITATIONS —

- **[IF=4.4]** Yunjiao Shen. et al.Anti-colorectal cancer effect of total minor ginsenosides produced by lactobacilli transformation of major ginsenosides by inducing apoptosis and regulating gut microbiota.FRONTIERS IN PHARMACOLOGY.2025 Jan 8;15:1496346. Western blot ;Mouse. 39845805