
phospho-MEK1 (Ser298) Recombinant Rabbit mAb

Catalog Number: bsm-52175R

Target Protein: phospho-MEK1 (Ser298)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 20B10

Isotype: IgG

Applications: WB (1:1000-2000), IHC-P (1:100-500), IHC-F (1:50-200), ICC/IF (1:50-200), IF (1:50-200)

Reactivity: (predicted:Human,Mouse,Rat,Rabbit,Pig,Dog,Horse)

Predicted MW: 43 kDa

Entrez Gene: 407835

Swiss Prot: P36507

Source: KLH conjugated Synthesised phosphopeptide derived from human MAPKK1 around the phosphorylation site of Ser298: PL(p-S)SY.

Purification: affinity purified by Protein A

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 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].