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MAP2K2 Monoclonal Antibody

Cat #: G-AB-05641

Host: Mouse **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Monoclonal

Overview:
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.

Gene ID:

Accession #:

Immunogen: Synthesized peptide derived from human MEK-2 around the non-phosphorylation site of T394.

Conjugation: Unconjugated

Swissprot: P36507

Calculated Molecular Weight:

Observed Molecular Weight: 45 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4

Purification Method: Protein A purification

Application: WB

Dilution: WB 1:500-1:2000, IHC 1:100-1:300, IP 1:200-1:500, ELISA 1:10000

Storage: Store at -20°C. Avoid freeze / thaw cycles.