MEK1Polyclonal Antibody

E90252

Catalog Number: E90252
Amount: 100ul
Background: MEK1 and MEK2, also called MAPK or Erk kinases, are dual-specificity protein kinases that function in a mitogen activated protein kinase cascade controlling cell growth and differentiation (1-3). Activation of MEK1 and MEK2 occurs through phosphorylation of two serine residues at positions 217 and 221, located in the activation loop of subdomain VIII, by Raf-like molecules. MEK1/2 is activated by a wide variety of growth factors and cytokines and also by membrane depolarization and calcium influx (1-4). Constitutively active forms of MEK1/2 are sufficient for the transformation of NIH/3T3 cells or the differentiation of PC-12 cells (4). MEK activates p44 and p42 MAP kinase by phosphorylating both threonine and tyrosine residues at sites located within the activation loop of kinase subdomain VIII.
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: MAP2K1;MAPKK1;MEK1;MKK1;PRKMK1 ;
Immunogen: C term -peptide of human MEK1
Purification: Affinity purification
Reactivity: H M R
Applications: WB
Molecular Weight: 43kDa
Swiss-Prot No. : Q02750
Gene ID: 5604
References: 1. Crews, C.M. et al. (1992) Science 258, 478-480. 2. Alessi, D.R. et al. (1994) EMBO J. 13, 1610-1619. 3. Rosen, L.B. et al. (1994) Neuron 12, 1207-1221. 4. Cowley, S. et al. (1994) Cell 77, 841-852.

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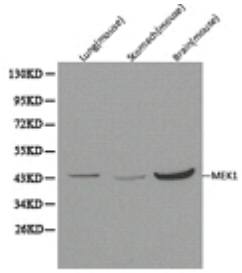
WB 1:500 - 1:2000



Western blot analysis of extracts of variousmousetissues, using MEK1 antibody.

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