

MAP2K2

Reactivity: Human Mouse

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:100 IF 1:20 - 1:100

Calculated MW: 44kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human MAP2K2

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

100µg

Synonym:

MAP2K2; FLJ26075; MAPKK2; MEK2; MKK2; PRKMK2

Catalog #: A0143

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5605

Isotype: IgG

Swiss Prot: P36507

Purity: Affinity purification

For research use only.

Background:

MEK1 and MAP2K2, 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 MAP2K2 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.

To place an order, please [Click HERE](#).