

MAP2K7

Reactivity: Human Mouse Rat

Tested applications: WB IHC ICC IF IP

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:200
IP 1:20 - 1:100

Calculated MW: 47kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human MAP2K7

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

os

Synonym:

MAP2K7; Jnk2; MAPKK7; MKK7; PRKMK7; SAPKK-4; SAPKK4;

Catalog #: A2186

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5609

Isotype: IgG

Swiss Prot: O14733

Purity: Affinity purification

For research use only.

Background:

c-Jun NH2-terminal protein kinase (JNK), a distant member of the mitogen-activated protein (MAP) kinase family, regulates gene expression in response to various extracellular stimuli. MKK7, a novel member of the MAP kinase kinase family, was phosphorylated and activated by MEKK1, a MAP kinase kinase kinase in the JNK signaling cascade. MKK7 activity was also stimulated by constitutively active forms of Rac and Cdc42Hs, members of the Rho small GTP-binding protein family (1). endogenous MKK7 was activated by treatment with the growth factor interleukin-3 (but not interleukin-4), or by ligation of CD40, the B-cell antigen receptor, or the receptor for the Fc fragment of immunoglobulin. MKK7 was also activated when cells were exposed to heat, UV irradiation, anisomycin, hyperosmolarity or the pro-inflammatory cytokine tumor necrosis factor-alpha, suggesting that MKK7 is involved in many physiological pathways (2).

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