
Anti-MEK kinase-2

Cat #: HM1224
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Mitogen-activated protein (MAP) kinase cascades are activated by various extracellular stimuli, including growth factors. The MEK kinases (also called MAP kinase kinase kinases, MKKKs, MAP3Ks or MEKKs) phosphorylate and thereby activate the MEKs (also called MAP kinase kinases or MKKs), and these activated MEKs in turn phosphorylate and activate the MAP kinases. The MEK kinases include Raf-1, Raf-B, Mos, MEK kinase-1, MEK kinase-2, MEK kinase-3, MEK kinase-4, and ASK 1 (MEK kinase-5). MEK kinase-2 preferentially activates the kinases involved in the MAP kinase signaling pathway including MAPK7 and MAP2K4. MEK kinase-2 has been shown to directly phosphorylate and activate Iκappa B kinases (IKKs), and thus plays a role in NF-kappa B signaling pathway. It has also been found to bind and activate protein kinase C-related kinase 2 (PRKCL2/PRK2), which suggests its involvement in PRKCL2 regulated signaling process.

SPECIFICITY

This antibody reacts with MEK kinase-2 (MEKK-2) and, to a lesser extent, MEK kinase-3 of mouse, rat and human origin by Western blotting and immunohistochemistry.

Recommended dilution for Western blotting: 1:000. Molecular Weight of MEK kinase-2: 70 kDa. Western blotting positive control: MCF7 cell lysate.

IMMUNOGEN

A peptide at the carboxy terminus of mouse MEK kinase-2.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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