

MEKK3 polyclonal antibody

Catalog: BS90845

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

MAP kinase kinase kinase (MEKK3 or MAP3K3) is a serine/threonine protein kinase that activates SAPK and ERK via phosphorylation and activation of their respective MAP kinase kinases, SEK and MEK1/2. MEKK3 also stimulates MEK5 via activation of ERK5/BMK1, which is at least partly regulated by a direct interaction between MEK5 and MEKK3 via p67phox-Bem1p (PB1) protein-protein interaction domains found in both proteins. MEKK3 modulates NF- κ B activation in response to a variety of agonists including TNF α , LPS, IL-1 and LPA. Despite reports showing that phosphorylation of MEKK3 at Ser526 within the activation loop is necessary for kinase activation, at least one study suggests that dual phosphorylation at Thr516 and Ser520 is required for LPA-stimulated IKK β /NF- κ B activation. Phosphorylation at Thr294 appears to negatively regulate MEKK3 by promoting 14-3-3 β binding and inhibition of the kinase activity.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

71 kDa

Swiss-Prot:

Q99759(Human) Q61084(Mouse) Unigene:72680(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

ICC:1:100-1:500

IHC:1:50-1:200

FC:1:50-1:100

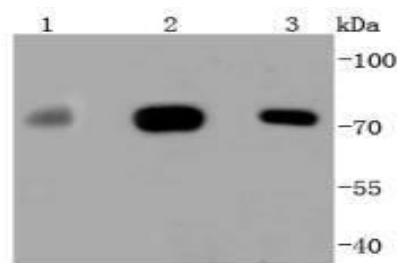
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

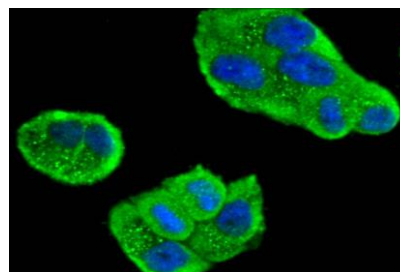
Specificity:

MEKK3 polyclonal antibody detects endogenous levels of MEKK3 protein.

DATA:



Western blot analysis of MEKK3 on different lysates using anti-MEKK3 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela
Lane 2: 293T Lane 3: A431



ICC staining MEKK3 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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