

MEKK3 Rabbit mAb

Catalog No.: A3695 **Recombinant**

Basic Information

Observed MW

78kDa

Calculated MW

71kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC2074

Background

This gene product is a 626-amino acid polypeptide that is 96.5% identical to mouse MekK3. Its catalytic domain is closely related to those of several other kinases, including mouse MekK2, tobacco NPK, and yeast Ste11. Northern blot analysis revealed a 4.6-kb transcript that appears to be ubiquitously expressed. This protein directly regulates the stress-activated protein kinase (SAPK) and extracellular signal-regulated protein kinase (ERK) pathways by activating SEK and MEK1/2 respectively; it does not regulate the p38 pathway. In cotransfection assays, it enhanced transcription from a nuclear factor kappa-B (NFkB)-dependent reporter gene, consistent with a role in the SAPK pathway. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

Recommended Dilutions

WB 1:500 - 1:2000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

4215

Swiss Prot

Q99759

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

MEKK3; MAPKKK3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

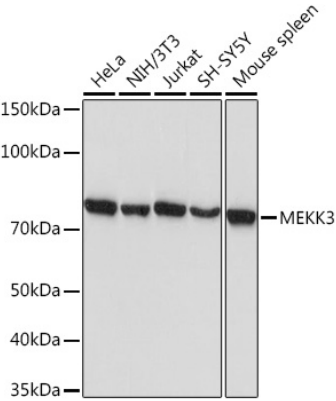
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using MEKK3 Rabbit mAb (A3695) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.