

MEK Kinase-3 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05335
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MAP3K3. AA range:101-150
Mol wt	70898
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	MEK Kinase-3 Antibody
Synonyms	MAP3K3; MAPKKK3; MEKK3; Mitogen-activated protein kinase kinase kinase 3; MAPK/ERK kinase kinase 3; MEK kinase 3; MEKK 3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

MAP3K3 product is a 626-amino acid polypeptide that is 96. % 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. -kb transcript that appears to be ubiquitously expressed. Mitogen-activated protein kinase kinase kinase 3 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 Dilution

WB: 1: 500 - 1: 2000

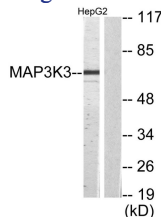
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

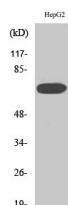
ELISA: 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of lysates from HepG2 cells, using MAP3K3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MEK Kinase-3 Polyclonal Antibody diluted at 1:2000

Storage

-20°C for one year

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