

## ARG43125 anti-MAP3K3 / MEKK3 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes MAP3K3 / MEKK3
Tested Reactivity	Ms, Rat
Predict Reactivity	Chk
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MAP3K3 / MEKK3
Species	Mouse
Immunogen	Synthetic peptide corresponding to aa. 11-25 of Mouse MAP3K3 / MEKK3. (MKDLVALQMSRRTL)
Conjugation	Un-conjugated
Alternate Names	MAPK/ERK kinase kinase 3; MEK kinase 3; EC 2.7.11.25; Mitogen-activated protein kinase kinase kinase 3; MEKK3; MEKK 3; MAPKKK3

### Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	70 kDa	

### Properties

Form	Liquid
Purification	Immunogen affinity purified.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

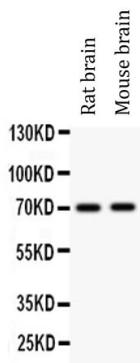
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	MAP3K3
Gene Full Name	mitogen-activated protein kinase kinase kinase 3
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. [provided by RefSeq, Jul 2008]
Function	Component of a protein kinase signal transduction cascade. Mediates activation of the NF-kappa-B, AP1 and DDIT3 transcriptional regulators. [UniProt]
Calculated Mw	71 kDa
PTM	Phosphorylation at Ser-166 and Ser-337 by SGK1 inhibits its activity. [UniProt]

## Images



ARG43125 anti-MAP3K3 / MEKK3 antibody WB image

Western blot: 50 µg of Rat brain and Mouse brain lysates stained with ARG43125 anti-MAP3K3 / MEKK3 antibody at 0.5 µg/ml dilution.