
Product Information

Product SKU:	CAB7718	Gene ID:	5606	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	39kDa	Conjugate:	Unconjugated
Calculated MW:	39kDa	Isotype:	IgG

Immunogen Information

Background: The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of *Yersina pseudotuberculosis*. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene.

Recommended Dilution: WB:1:500 - 1:2000 IHC-P:1:50 - 1:200 IF/ICC:1:50 - 1:200

Synonyms: MEK3; MKK3; MAPKK3; PRKMK3; SAPKK2; SAPKK-2

Purification Method: Affinity purification

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-70 of human MEK3 (NP_659731.1).

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.