

## Mouse Monoclonal Antibody to MAP2K3

<b>Catalogue Number</b>	sAP-1313
<b>Target Molecule</b>	<b>Name: MAP2K3</b> <b>Aliases:</b> MEK3; MKK3; MAPKK3; PRKMK3; SAPKK2; SAPKK-2 <b>MW: 39.3kDa</b> <b>Entrez Gene ID: 5606</b>
<b>Description</b>	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.;
<b>Immunogen</b>	Purified recombinant fragment of human MAP2K3 (AA: 1-138) expressed in E. Coli.
<b>Recombinant Species</b>	Human;
<b>Clone</b>	MM2E12D11;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Hum Mol Genet. 2013 Nov 1;22(21):4438-49. ; 2.Proteomics Clin Appl. 2010 Nov;4(10-11):816-28.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**