

Mouse Monoclonal Antibody to MAP2K4

Catalogue Number	sAP-0520
Target Molecule	Name: MAP2K4 Aliases: JNKK; MEK4; MKK4; SEK1; JNKK1; SERK1; MAPKK4; PRKMK4; MAP2K4 MW: 42kDa Entrez Gene ID: 6416
Description	This gene encodes a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK3. This kinase is phosphorylated, and thus activated by MAP3K1/MEKK. The knock-out studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver. Tissue specificity: Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues .
Immunogen	Purified recombinant fragment of human MAP2K4 expressed in E. Coli.
Reactive Species	Human
Clone	MM5H4;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Biol Chem. 2009 Jan 2;284(1):685-95. ; 2. J Immunol. 2008 Sep 1;181(5):3252-8.

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**