

Mouse Monoclonal Antibody to MAP2K2

Catalogue Number sAP-0362

Target Molecule
Name: MAP2K2
Aliases: MEK2; MKK2; MAPKK2

MW: 44kDa

Entrez Gene ID: 5605

Description
 MAP2K2, also called MEK2, it is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax.

Immunogen Purified recombinant fragment of human MAP2K2 expressed in E. Coli.

Reactive Species Human; Mouse; Rat

Clone MM7F5;

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 H₂O, 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; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. Mol Cell Biol. 1993 Aug;13(8):4679-90. ; 2. Eur J Biochem. 1995 Nov 15;234(1):32-8. ; 3. Oncogene. 1998 Jul 9;17(1):57-65.

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**