

## Mouse Monoclonal Antibody to MAP2K4

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| <b>Catalogue Number</b>        | sAP-0077  |
| <b>Target Molecule</b>         | <b>Name:</b> MAP2K4<br><b>Aliases:</b> MAP2K4<br><b>MW:</b> N/A   |
| <b>Description</b>             | MAP2K4(mitogen-activated protein kinase kinase 4), which is located on chromosome 17p11.2, with 399-amino acid protein (about 45 kDa), belongs to the family of protein kinases located upstream of the MAP kinases and responsible for their activation has been identified. MEK-4 (also called MEK4/MKK4) activates both p38 and JNK MAP kinases. MKK4 is a central mediator in the stress activated protein kinase signalling pathway that responds to a number of cellular and environmental stressors. By phosphorylating MAP kinases such as JNK,MKK4 can ultimately transmit stress signals to nuclear transcription factors that mediate various processes including proliferation, apoptosis, and differentiation. Its distinct biological functions have been identified for MKK4 including a role in development, hepatogenesis, and metastasis suppression. |
| <b>Immunogen</b>               | Purified recombinant fragment of MAP2K4 expressed in E. Coli.   |
| <b>Recitative Species</b>      | Human   |
| <b>Clone</b>                   | MM2D10D8;   |
| <b>Size and Concentration</b>  | 100µg/1mg/ml  |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% 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; IHC: 1 to 200 - 1 to 1000  |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)  |
| <b>Reference</b>               | 1. Crews, C.M, et al. 1992. Science. 258: 478-480. ; 2. Cuenda A. 2000. Int. J. Biochem. Cell Biol, 32: 581-587. ; 3. Kim H. L, Vander Griend D. J, Yang X, et al. 2001.Cancer Res. 61: 2833-2837. ;  |

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**