



Mouse Monoclonal Antibody to MAP2K6

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| Catalogue Number | sAP-0518 |
| Target Molecule | Name: MAP2K6 Aliases: MEK6; MKK6; MAPKK6; PRKMK6; SAPKK3; MAP2K6 MW: 38kDa Entrez Gene ID: 5608 |
| Description | This gene encodes a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, this gene is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis. Tissue specificity: Isoform 2 is only expressed in skeletal muscle. Isoform 1, on the other hand, is found in skeletal muscle, heart, and in lesser extent in liver or pancreas. |
| Immunogen | Purified recombinant fragment of human MAP2K6 expressed in E. Coli. |
| Recombinant Species | Human; Mouse |
| Clone | MM3H12B9; |
| 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 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1. J Mol Med. 2008 Apr;86(4):485-90. ; 2. Blood. 2007 Jan 1;109(1):185-93. |

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**