ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

# Mouse Monoclonal Antibody to MAPK10

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| **Cataloge Number** | sAP-0172 |
| **Target Molecule** | **Name: MAPK10**<br>**Aliases:** JNK3; JNK3A; PRKM10; p54bSAPK<br>**MW: 53kDa**<br>**Entrez Gene ID: 5602** |
| **Descrption** | MAPK10: mitogen-activated protein kinase 10, also known as JNK3, JNK3A, PRKM10, p54bSAPK. Entrez Protein NP_002744. It is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This protein is a neuronal-specific form of c-Jun N-terminal kinases (JNKs). Through its phosphorylation and nuclear localization, this kinase plays regulatory roles in the signaling pathways during neuronal apoptosis. Beta-arrestin 2, a receptor-regulated MAP kinase scaffold protein, is found to interact with, and stimulate the phosphorylation of this kinase by MAP kinase kinase 4 (MKK4). Cyclin-dependent kianse 5 can phosphorylate, and inhibit the activity of this ki- |
| **Immunogen** | Purified recombinant fragment of human MAPK10 (aa28-233) expressed in E. Coli. |
| **Recitative Species** | Human; Mouse |
| **Clone** | MM10E4A4; |
| **Size and Concentration** | 100µg/1mg/ml |
| **Supplied as** | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. |
| **Reconstitution/Storages** | Reconstitued 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 |
| **Shipping** | Regular FEDEX overnight shipment (ambient temperature) |
| **Reference** | 1. Blood. 2002 Oct 1;100(7):2546-53 ; 2. J Leukoc Biol. 2003 May;73(5):682 ; 3. Exp Neurol. 2004 Aug;188 (2):246 ; |

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

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