

## Mouse Monoclonal Antibody to PRK2

|                                |  |
|--------------------------------|--|
| <b>Catalogue Number</b>        | sAP-0602   |
| <b>Target Molecule</b>         | <p><b>Name: PRK2</b></p> <p><b>Aliases:</b> PKN2; PAK2; PRK2; Pak-2; PRKCL2; PRO2042; MGC71074; MGC150606</p> <p><b>MW: 140kDa</b></p> <p><b>Entrez Gene ID: 5586</b></p>  |
| <b>Description</b>             | Protein-kinase-C-related kinases (PRKs) are part of the lipid-regulated protein kinases (PKC) which also include liver PAK & PKN. Human PRK1 and PRK2 share structurally similar catalytic domains, but less similar N-terminal regulatory regions suggesting different regulatory domain functions. PRK1 and PRK2, as well as a third member of this family, PRK3, show distinct patterns of expression in adult tissues. Additionally, the serine-threonine kinase PRK2 can be specifically cleaved by caspase-3 (and/or caspase-3-like subfamily members) during apoptosis. |
| <b>Immunogen</b>               | Purified recombinant fragment of human PRK2 expressed in E. Coli. ;  |
| <b>Reactive Species</b>        | Human; Monkey; Mouse; Rat  |
| <b>Clone</b>                   | MM1D1;   |
| <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; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400   |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)   |
| <b>Reference</b>               | 1. Cell. 2009 Jul 23;138(2):389-403. ; 2. Ann Intern Med. 2009 Apr 21;150(8):541-50.   |

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**