

Mouse Monoclonal Antibody to PDPK1

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| Catalogue Number | sAP-1145 |
| Target Molecule | Name: PDPK1 Aliases: PDK1; PDPK2; PDPK2P; PRO0461 MW: 63.2kDa Entrez Gene ID: 5170 |
| Description | Phosphoinositide-dependent kinase 1 (PDPK1, PDK1) is a serine/threonine protein kinase integral to the function of the PI 3-K/Akt signaling pathway. PDK1 and mTORC2 both phosphorylate and activate PKB/Akt, ensuring a cellular response to stimuli such as growth factors and insulin signaling. Akt is the main effector of PDK1.; |
| Immunogen | Purified recombinant fragment of human PDPK1 (AA: 457-556) expressed in E. Coli. |
| Recitative Species | Human; Mouse; Monkey; Rat; |
| Clone | MM7E4G11; |
| Size and Concentration | 100µg/1mg/ml |
| Supplied as | Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% 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; ICC: 1 to 50 - 1 to 200; FCM: 1 to 200 - 1 to 400 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1.Asian Pac J Cancer Prev. 2012;13(8):4147-51. ; 2.Mol Cancer Res. 2010 Mar;8(3):421-32.; |

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**