

## Mouse Monoclonal Antibody to Akt3

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|-------------------------|--|
| Catalogue Number        | sAP-0061   |
| Target Molecule         | <b>Name:</b> Akt3<br><b>Aliases:</b> Akt3<br><b>MW:</b> N/A  |
|                         | <b>Entrez Gene ID: 10000</b>   |
| Description             | Akt3 (also designated protein kinase B gamma or v-akt murine thymoma viral oncogene homolog 3), with 479-amino acid protein (about 53kDa), belongs to the AKT serine/threonine protein kinase family, which also includes Akt1 and Akt2. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. Akt3 is not required for the maintenance of normal carbohydrate metabolism but is essential for the attainment of normal organ size. Identifying Akt3 as a selective target in melanoma cells also provides new therapeutic opportunities for patients in the advanced stages of this disease. |
| Immunogen               | Purified recombinant fragment of Akt3 expressed in E. Coli.  |
| Recitative Species      | Human  |
| Clone                   | MM3B12F3F10;   |
| 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 <sub>2</sub> 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  |
| Shipping                | Regular FEDEX overnight shipment (ambient temperature)   |
| Reference               | 1. Rachael M. Easton, Han Cho, Kristin Roovers. Mol. Cell. Biol., Mar 2005; 25: 1869 – 1878 ; 2. Jill M. Stahl, Arati Sharma, Mitchell Cheung. Cancer Res., Oct 2004; 64: 7002–7010 ;  |

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**