

## Mouse Monoclonal Antibody to AKT2

Catalogue Number	sAP-0355
Target Molecule	<b>Name:</b> AKT2 <b>Aliases:</b> PKBB; PRKBB; PKBBETA; RAC-BETA <b>MW:</b> 60kDa
Description	<b>Entrez Gene ID: 208</b> Akt2 (also designated protein kinase B beta or v-akt murine thymoma viral oncogene homolog 2 ), with 481 -amino acid protein (about 53kDa), belongs to the AKT serine/threonine protein kinase family, which also includes Akt1 and Akt3. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. Among the members of AKT family, Akt2 is associated with the development of human cancers. Akt2 inhibits cis-platin-induced JNK/p38 and Bax activation through phosphorylation of ASK1 and thus, plays an important role in chemoresistance. Further, Akt2 plays a specific role in muscle differentiation.
Immunogen	Purified recombinant fragment of human AKT2 expressed in E. Coli.
Recitative Species	Human; Rat; Monkey
Clone	MM1B6;
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 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; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Am J Physiol Endocrinol Metab. 2004 Jul;287(1):E8-E15. ; 2. Oncol Rep. 2004 Jan;11(1):25-32. ; 3. Cancer Res. 2003 Jan 1;63(1):196-206.

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**