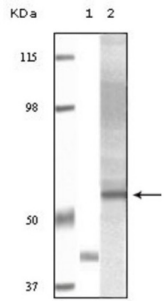
RAC-Gamma Serine/threonine-Protein Kinase (Akt3) Antibody

Catalogue No.:abx010372



Western blot analysis using Akt3 antibody against truncated Akt3 recombinant protein (1) and human ovary carcinoma tissue lysate (2).

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.

Target:	RAC-Gamma Serine/threonine-Protein Kinase (Akt3)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of Akt3 expressed in E. coli.
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q9Y243 (UniProt, ExPASy)
Gene Symbol:	AKT3

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GeneID:	10000
OMIM:	611223
HGNC:	393
Ensembl:	ENSG00000117020
String:	9606.ENSP00000263826
Enzyme Commission Number:	EC 2.7.11.1, EC 2.7.11
Molecular Weight:	55 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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