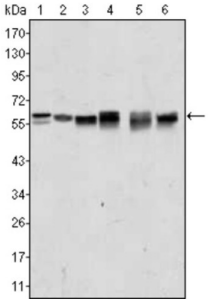
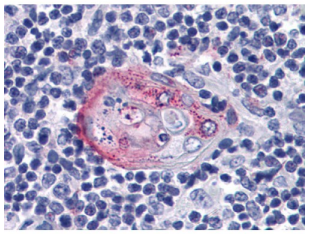
RAC-Beta Serine/threonine-Protein Kinase (AKT2) Antibody

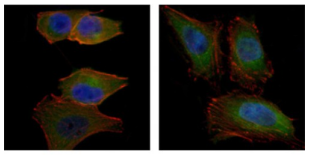
Catalogue No.:abx010368



Western blot analysis using AKT2 antibody against A431 (1), Jurkat (2), HEK293 (3), A549 (4), MCF-7 (5) and PC-12 (6) cell lysate.



Immunohistochemical analysis of paraffin-embedded human Thymus tissues using anti-AKT2 mAb.



Immunofluorescence analysis of PANC-1 (left) and Hela (right) cells using AKT2 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.

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 cisplatin-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.

Target:	RAC-Beta Serine/threonine-Protein Kinase (AKT2)
Clonality:	Monoclonal
Reactivity:	Human, Rat, Monkey
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Mouse

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Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human AKT2 expressed in E. coli.
Isotype:	IgG_{2b}
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P31751 (UniProt, ExPASy)
GeneID:	208
KEGG:	hsa:208
String:	9606.ENSP00000375892
Molecular Weight:	60 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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