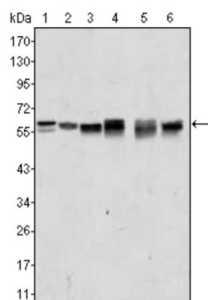
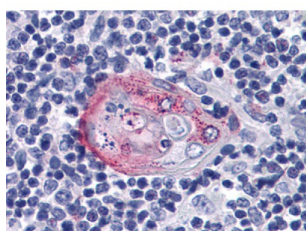


## RAC-Beta Serine/threonine-Protein Kinase (AKT2) Antibody

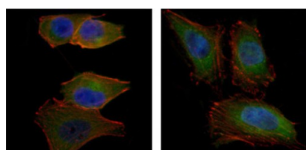
Catalogue No.: abx010368



WB analysis of A431 (1), Jurkat (2), HEK293 (3), A549 (4), MCF-7 (5) and PC-12 (6) cell lysates using AKT2 antibody.



IHC-P analysis of Human Thymus tissue using AKT2 antibody.



IF analysis of PANC-1 (left) and HeLa (right) cells using AKT2 antibody (green). Blue stain: DRAQ5 fluorescent DNA dye. Red stain: 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

**Clone:** E100

**Reactivity:** Human, Rat, Monkey

**Tested Applications:** ELISA, WB, IHC, IF/ICC

# Datasheet

Version: 5.0.0  
Revision date: 28 Aug 2025



**Host:** Mouse

**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<sub>2b</sub>

**Form:** Liquid

**Purification:** Purified from ascites by Protein G chromatography.

**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:** PBS containing 0.05% sodium azide.

**Concentration:** 1 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.