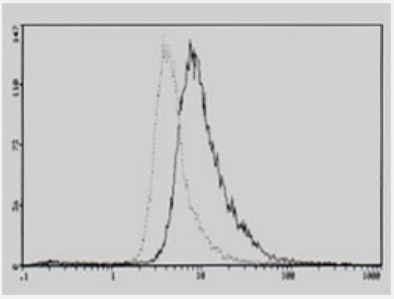
AKT2 monoclonal antibody

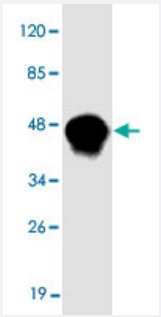
Catalog # MAB11138 Size 50 ug

Applications



Flow Cytometry

Flow cytometry of MCF-7 cells stained with AKT2 monoclonal antibody (Cat # MAB11138).



Western Blot (Recombinant protein)

Western blot analysis of recombinant AKT2 protein with a DsbA tag. Using AKT2 monoclonal antibody (Cat # MAB11138) at 1:2000 dilution.
Predicted band size: 47 KDa. Observed band size: 47 KDa.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant protein of AKT2.
Immunogen	Recombinant protein corresponding to N-terminus of human AKT2.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification

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Recommend Usage	ELISA (1:5000-1:20000) Western Blot (1:100-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Flow cytometry of MCF-7 cells stained with AKT2 monoclonal antibody (Cat # MAB11138).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)

  Western blot analysis of recombinant AKT2 protein with a DsbA tag. Using AKT2 monoclonal antibody (Cat # MAB11138) at 1:2000 dilution.
  Predicted band size: 47 KDa. Observed band size: 47 KDa.

Gene Info — AKT2

Entrez GeneID	208
Protein Accession#	P31751
Gene Name	AKT2
Gene Alias	PKBB, PKBBETA, PRKBB, RAC-BETA
Gene Description	v-akt murine thymoma viral oncogene homolog 2
Omim ID	125853 164731
Gene Ontology	Hyperlink

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Gene Summary	This gene is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. The gene was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Ove rexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancer s. The encoded protein is a general protein kinase capable of phophorylating several known prote ins. [provided by RefSeq
Other Designations	Murine thymoma viral (v-akt) homolog-2|rac protein kinase beta

Pathway

- Acute myeloid leukemia
- Adipocytokine signaling pathway
- Apoptosis
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Colorectal cancer
- Endometrial cancer
- ErbB signaling pathway
- Fc epsilon RI signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Glioma
- Insulin signaling pathway
- Jak-STAT signaling pathway
- MAPK signaling pathway
- Melanoma
- mTOR signaling pathway
- Neurotrophin signaling pathway

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- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Renal cell carcinoma
- Small cell lung cancer
- T cell receptor signaling pathway
- Tight junction
- Toll-like receptor signaling pathway
- VEGF signaling pathway

Disease

- Adenocarcinoma
- Carcinoma
- Cardiovascular Diseases
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- HIV Infections
- Hypercholesterolemia
- Insulin Resistance
- Lipodystrophy
- Lung Neoplasms

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- Metabolic Syndrome X
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Polycystic Ovary Syndrome
- Psychiatric Status Rating Scales
- Schizophrenia
- Thyroid Neoplasms

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