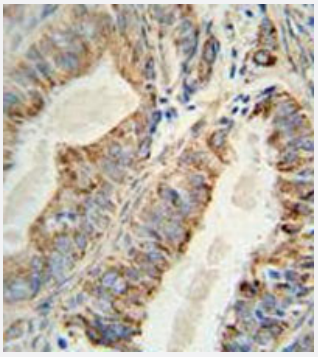
AKT2 monoclonal antibody, clone 148CT5.4.1.4

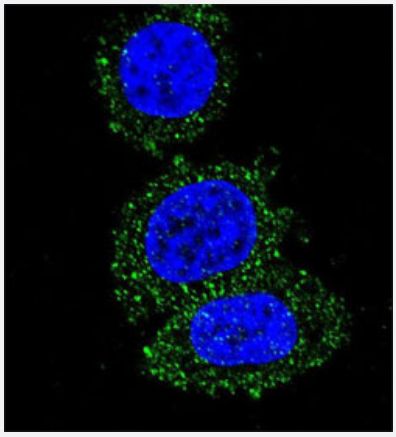
Catalog # MAB12302 Size 400 uL

Applications



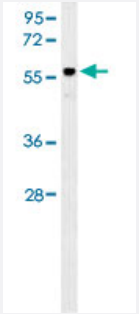
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human prostate carcinoma reacted with AKT2 monoclonal antibody (Cat # MAB12302) at 1:50-1:100 dilution.



Immunofluorescence

Immunofluorescent staining of Hela cell reacted with AKT2 monoclonal antibody (Cat # MAB12302) at 1:10-1:50 dilution.



Western Blot (Tissue lysate)

Western blot analysis of mouse brain tissue lysates reacted with AKT2 monoclonal antibody (Cat # MAB12302) at 1:100-1:500 dilution.

Specification

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Product Description	Mouse monoclonal antibody raised against human AKT2.
Immunogen	Recombinant protein corresponding to human AKT2.
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:10-1:50) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of formalin-fixed and paraffin-embedded human prostate carcinoma reacted with AKT2 monoclonal antibody (Cat # MAB12302) at 1:50-1:100 dilution.

- Immunofluorescence

  Immunofluorescent staining of Hela cell reacted with AKT2 monoclonal antibody (Cat # MAB12302) at 1:10-1:50 dilution.

- Western Blot (Tissue lysate)

  Western blot analysis of mouse brain tissue lysates reacted with AKT2 monoclonal antibody (Cat # MAB12302) at 1:100-1:500 dilution.

Gene Info — AKT2

Entrez GeneID	208
Gene Name	AKT2

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Alias	PKBB, PKBBETA, PRKBB, RAC-BETA
Gene Description	v-akt murine thymoma viral oncogene homolog 2
Omim ID	125853 164731
Gene Ontology	Hyperlink
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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- MAPK signaling pathway
- Melanoma
- mTOR signaling pathway
- Neurotrophin signaling pathway
- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Hypercholesterolemia
- Insulin Resistance
- Lipodystrophy
- Lung Neoplasms
- Metabolic Syndrome X
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Polycystic Ovary Syndrome
- Psychiatric Status Rating Scales
- Schizophrenia
- Thyroid Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.