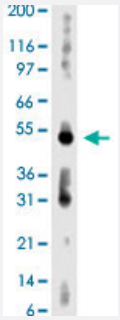
AKT3 monoclonal antibody, clone 66C1247.1

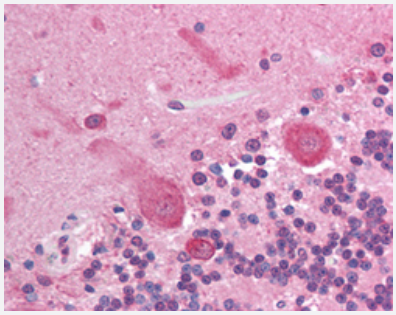
Catalog # MAB12513 Size 50 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of human kidney lysate with AKT3 monoclonal antibody, clone 66C1247.1 (Cat # MAB12513) at 2 ug/mL working concentration.



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain, cerebellum with AKT3 monoclonal antibody, clone 66C1247.1 (Cat # MAB12513) at 10 ug/mL working concentration.

Specification

Product Description	Mouse monoclonal antibody raised against human AKT3.
Immunogen	A synthetic peptide corresponding to amino acids 119-136 of human AKT3.
Sequence	CSPTSQIDNIGEEEMDAS
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% 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

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Gene Info — AKT3

Entrez GeneID	10000
Gene Name	AKT3
Gene Alias	DKFZp434N0250, PKB-GAMMA, PKBG, PRKBG, RAC-PK-gamma, RAC-gamma, STK-2
Gene Description	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)
Omim ID	611223
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the AKT, also called PKB, serine/threonine prot ein kinase family. 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 prolif eration, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose upta ke. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin , and insulin-like growth factor 1 (IGF1). Alternatively splice transcript variants encoding distinct is oforms have been described. [provided by RefSeq

Other Designations	OTTHUMP00000037911|OTTHUMP00000037912|RAC-gamma serine/threonine protein kinase|protein kinase B gamma|serine threonine protein kinase, Akt-3|v-akt murine thymoma viral oncogene homolog 3

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
- 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
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- HIV Infections
- Multiple Sclerosis
- Thyroid Neoplasms
- Urinary Bladder Neoplasms