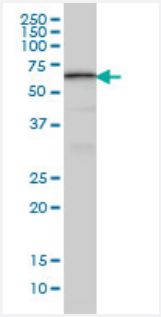
AKT3 monoclonal antibody (M02), clone 6E10

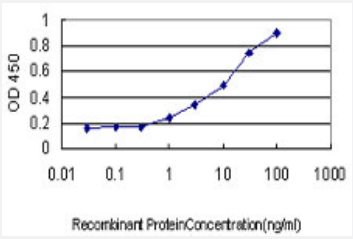
Catalog # H00010000-M02 Size 100 ug

Applications



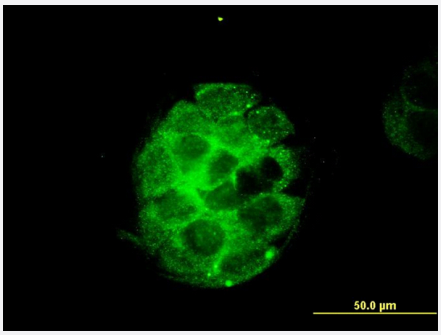
Western Blot (Cell lysate)

AKT3 monoclonal antibody (M02), clone 6E10 Western Blot analysis of AKT3 expression in MCF-7 (Cat # L046V1).



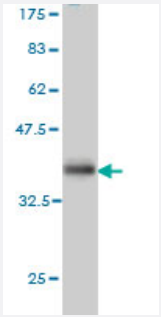
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AKT3 is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to AKT3 on MCF-7 cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (35.53 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant AKT3.
Immunogen	AKT3 (AAD29089, 100 a.a. ~ 189 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EAIQAVADRLQRQEEERMNCSPTSQIDNIGEEEMDASTTHHKRKTMNDFDYLKLLGKGTFGKVILV REKASGKYYAMKILKKEVIIAKDE
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Cell lysate)

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  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged AKT3 is approximately 1ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to AKT3 on MCF-7 cell . [antibody concentration 10 ug/ml]

Gene Info — AKT3

Entrez GeneID	10000
GeneBank Accession#	AF124141
Protein Accession#	AAD29089
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 oncog ene 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