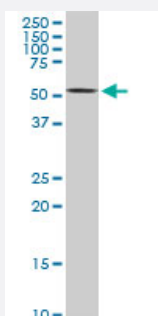


# AKT2 monoclonal antibody (M06), clone X1

Catalog # H00000208-M06

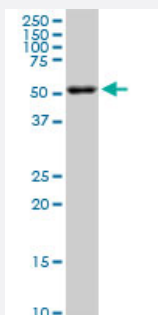
Size 100 ug

## Applications



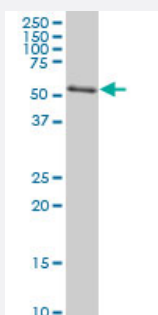
### Western Blot (Cell lysate)

AKT2 monoclonal antibody (M06), clone X1. Western Blot analysis of AKT2 expression in Raw 264.7(Cat # L024V1 ).



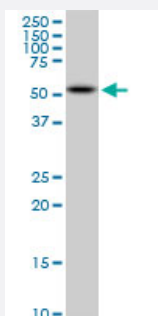
### Western Blot (Cell lysate)

AKT2 monoclonal antibody (M06), clone X1. Western Blot analysis of AKT2 expression in PC-12(Cat # L012V1 ).



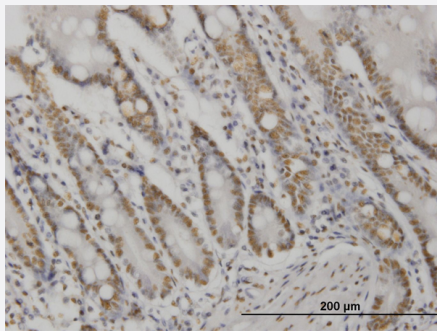
### Western Blot (Cell lysate)

AKT2 monoclonal antibody (M06), clone X1 Western Blot analysis of AKT2 expression in Jurkat ( Cat # L017V1 ).



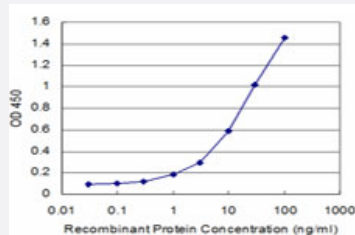
### Western Blot (Cell lysate)

AKT2 monoclonal antibody (M06), clone X1. Western Blot analysis of AKT2 expression in NIH/3T3(Cat # L018V1 ).



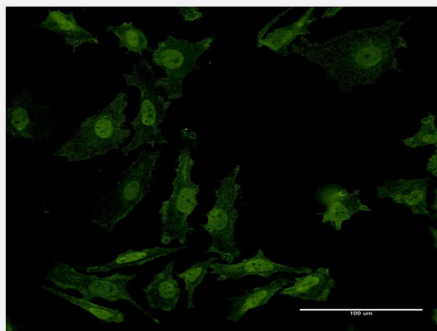
## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to AKT2 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



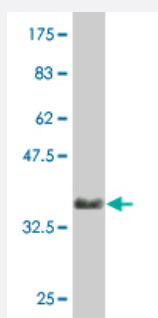
## Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AKT2 is approximately 1ng/ml as a capture antibody.



## Immunofluorescence

Immunofluorescence of monoclonal antibody to AKT2 on HeLa 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 AKT2.

### Immunogen

AKT2 (AAA58364, 100 a.a. ~ 189 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

|                               |                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------|
| Sequence                      | MRAIQMVANSLKQRAPGEDPMDYKCGSPSDSSTTEEMEVAVSKARAKVTMNDFDYLKLLGKGT<br>FGKVILVREKATGRYYAMKILRKEVII           |
| Host                          | Mouse                                                                                                    |
| Reactivity                    | Human, Mouse, Rat                                                                                        |
| Interspecies Antigen Sequence | Mouse (94); Rat (94)                                                                                     |
| Isotype                       | IgG1 Kappa                                                                                               |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>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.                                 |

## Applications

- Western Blot (Cell lysate)

AKT2 monoclonal antibody (M06), clone X1. Western Blot analysis of AKT2 expression in Raw 264.7(Cat # L024V1 ).

[Protocol Download](#)

- Western Blot (Cell lysate)

AKT2 monoclonal antibody (M06), clone X1. Western Blot analysis of AKT2 expression in PC-12(Cat # L012V1 ).

[Protocol Download](#)

- Western Blot (Cell lysate)

AKT2 monoclonal antibody (M06), clone X1 Western Blot analysis of AKT2 expression in Jurkat ( Cat # L017V1 ).

[Protocol Download](#)

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AKT2 monoclonal antibody (M06), clone X1. Western Blot analysis of AKT2 expression in NIH/3T3(Cat # L018V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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Immunoperoxidase of monoclonal antibody to AKT2 on formalin-fixed paraffin-embedded human small intestine. [antibody concentration 3 ug/ml]

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Detection limit for recombinant GST tagged AKT2 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to AKT2 on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — AKT2

Entrez GeneID [208](#)

GeneBank Accession# [M95936](#)

Protein Accession# [AAA58364](#)

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](#)

**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. Overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. The encoded protein is a general protein kinase capable of phosphorylating several known proteins. [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](#)
- [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](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)

- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Thyroid Neoplasms](#)