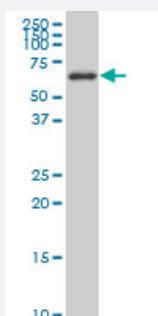


AKT2 monoclonal antibody (M03), clone 1D9

Catalog # H00000208-M03

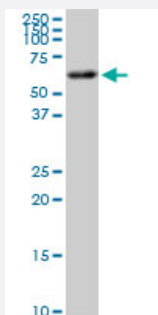
Size 100 ug

Applications



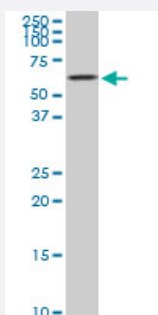
Western Blot (Cell lysate)

AKT2 monoclonal antibody (M03), clone 1D9 Western Blot analysis of AKT2 expression in Jurkat (Cat # L017V1).



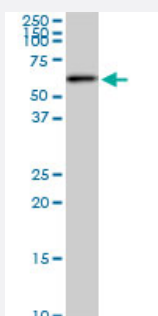
Western Blot (Cell lysate)

AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in PC-12(Cat # L012V1).



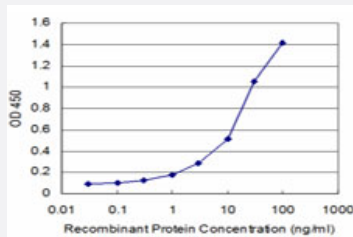
Western Blot (Cell lysate)

AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in Raw 264.7(Cat # L024V1).



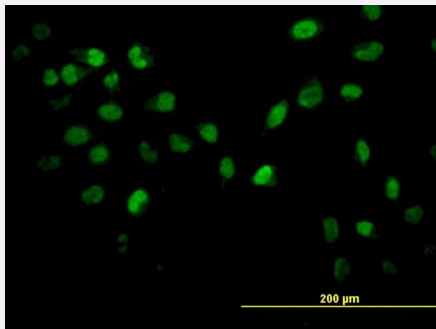
Western Blot (Cell lysate)

AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in NIH/3T3(Cat # L018V1).



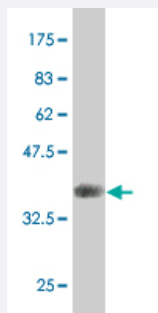
Sandwich ELISA (Recombinant protein)

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	MRAIQMVANSLKQRAPGEDPMDYKCGSPSDSSTTEEMEVAVSKARAKVTMNDFDYLLKGKT 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.
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 (M03), clone 1D9 Western Blot analysis of AKT2 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in PC-12(Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in Raw 264.7(Cat # L024V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in NIH/3T3(Cat # L018V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

Publication Reference

- [Multiple defects in negative regulation of the PKB/Akt pathway sensitise human cancer cells to the antiproliferative effect of non-steroidal anti-inflammatory drugs.](#)

Lincová E, Hampl A, Pernicová Z, Starsichová A, Krcmár P, Machala M, Kozubík A, Soucek K.

Biochemical Pharmacology 2009 Sep; 78(6):561.

Application: IF, WB-Tr, Human, HCT-116, LNCaP, PC-3 cells

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](#)
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- [HIV Infections](#)
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- [Insulin Resistance](#)
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- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
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- [Ovarian Neoplasms](#)
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- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Thyroid Neoplasms](#)