

AKT2 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a partial recombinant AKT2.****Catalog # AT1101a****Specification**

AKT2 Antibody (monoclonal) (M03) - Product Information

Application	WB, IF
Primary Accession	P31751
Other Accession	M95936
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	55769

AKT2 Antibody (monoclonal) (M03) - Additional Information**Gene ID** 208**Other Names**

RAC-beta serine/threonine-protein kinase, Protein kinase Akt-2, Protein kinase B beta, PKB beta, RAC-PK-beta, AKT2

Target/Specificity

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

Dilution

WB~~1:500~1000

IF~~1:50~200

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

AKT2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

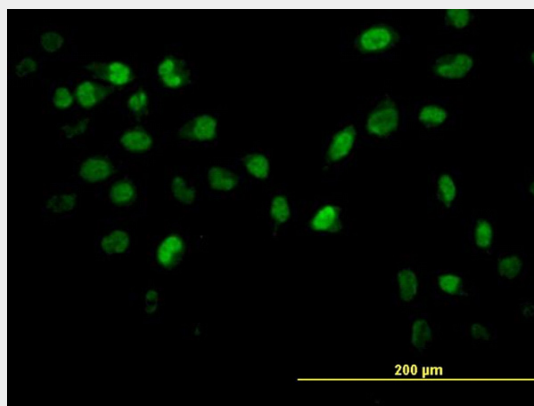
AKT2 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

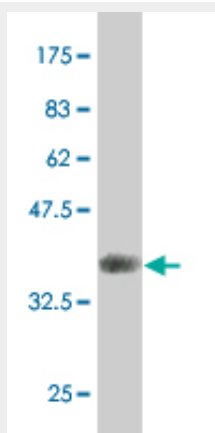
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

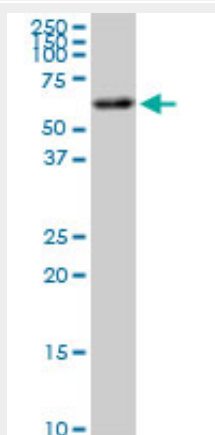
AKT2 Antibody (monoclonal) (M03) - Images



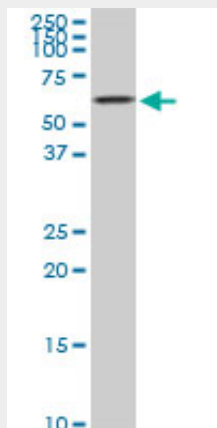
Immunofluorescence of monoclonal antibody to AKT2 on HeLa cell. [antibody concentration 10 ug/ml]



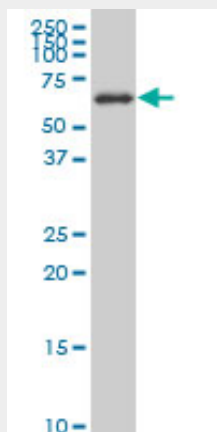
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .



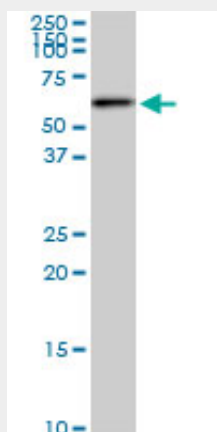
AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in PC-12((Cat # AT1101a)



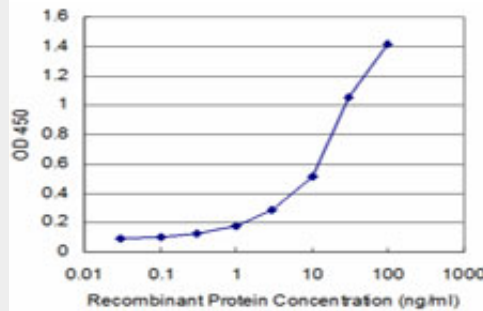
AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in Raw 264.7((Cat # AT1101a)



AKT2 monoclonal antibody (M03), clone 1D9 Western Blot analysis of AKT2 expression in Jurkat ((Cat # AT1101a)



AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in NIH/3T3((Cat # AT1101a)



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

AKT2 Antibody (monoclonal) (M03) - Background

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.

AKT2 Antibody (monoclonal) (M03) - References

1. Multiple defects in negative regulation of the PKB/Akt pathway sensitise human cancer cells to the antiproliferative effect of non-steroidal anti-inflammatory drugs. Lincova E, Hampl A, Pernicova Z, Star?ichova A, Kr?ma? P, Machala M, Kozubik A, Sou?ek K. *Biochem Pharmacol.* 2009 Sep 15;78(6):561-72. Epub 2009 May 9.