

Mouse AKT2 Monoclonal Antibody | anti-AKT2 antibody

AKT2 (v-akt Murine Thymoma Viral Oncogene Homolog 2, PKBB, PKBBETA, PRKBB, RAC-BETA) (AP)

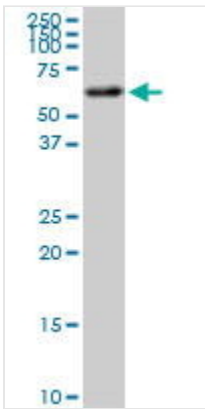
CATALOG # AAA25965	HOST Mouse	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

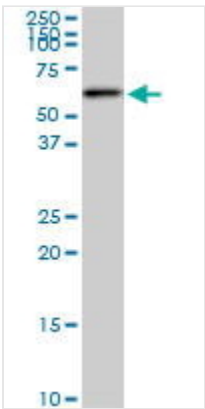
AKT2; Monoclonal Antibody; AKT2 (v-akt Murine Thymoma Viral Oncogene Homolog 2; PKBB; PKBBETA; PRKBB; RAC-BETA) (AP); v-akt Murine Thymoma Viral Oncogene Homolog 2; RAC-BETA; anti-AKT2 antibody

PRODUCT SPECIFICATIONS

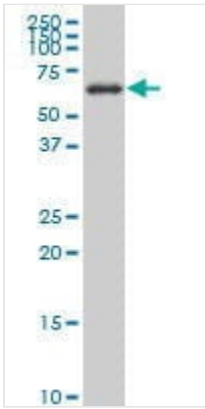
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1D9
Specificity	Recognizes AKT2.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Sequence Length	481
Applicable Applications for anti-AKT2 antibody	WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	AKT2 (AAA58364, 100aa-189aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MRAIQMVANSLKQRAPGEDPMDYKCGSPSDSSTTEEMEVAVSKARAKVTMNDFDYLKLLGKGTFGKVILVREKATGRYYAMKILRKEVII
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



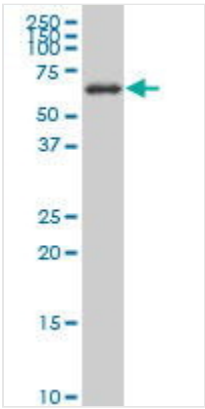
WB (Western Blot)
AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in PC-12.



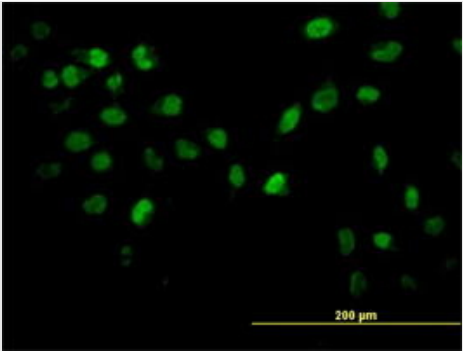
WB (Western Blot)
AKT2 monoclonal antibody (M03), clone 1D9. Western Blot analysis of AKT2 expression in NIH/3T3.



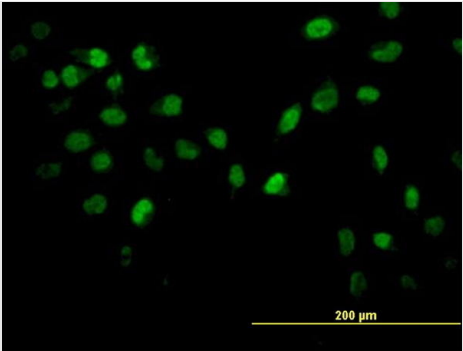
Application Data
Detection limit for recombinant GST tagged AKT2 is approximately 1ng/ml as a capture antibody.



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



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-AKT2 antibody	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]
Product Categories/Family for anti-AKT2 antibody	Antibodies; Protein Kinases

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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	178326
NCBI GeneID	208
NCBI Official Full Name	protein serine/threonine kinase
NCBI Official Synonym Full Names	AKT serine/threonine kinase 2
NCBI Official Symbol	AKT2
NCBI Official Synonym Symbols	PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA
NCBI Protein Information	RAC-beta serine/threonine-protein kinase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/akt2-antibody-clone-1d9-western-blot-elisa/25965>