

Mouse Akt1 Monoclonal Antibody | anti-Akt1 antibody

Akt1 Mouse mAb

CATALOG # AAA320352	HOST Mouse	REACTIVITY Mouse, Transfected	APPLICATIONS Western Blot
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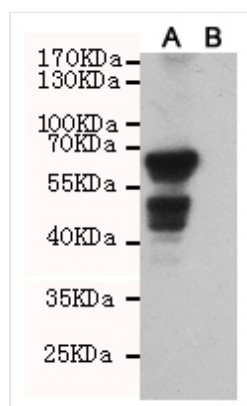
PRODUCT SYNONYMS

Akt1; Monoclonal Antibody; Akt1 Mouse mAb; AKT 1; AKT; AKT1; AKT1_HUMAN; C AKT; MGC99656; PKB; PKB-ALPHA; PRKBA; Protein Kinase B Alpha; Protein kinase B; Proto-oncogene c-Akt; RAC Alpha; RAC; RAC PK Alpha; RAC Serine/Threonine Protein Kinase; RAC-alpha serine/threonine-protein kinase; RAC-PK-alpha; vAKT Murine Thymoma Viral Oncogene Homolog 1; anti-Akt1 antibody

PRODUCT SPECIFICATIONS

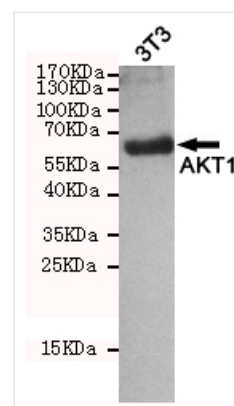
Host	Mouse
Reactivity	Mouse, Transfected
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of AKT1 and does not cross-react with AKT2 and other proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Akt1 antibody	WB (Western Blot)
Immunogen	Purified recombinant human AKT1 protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



WB (Western Blot)

Western blot detection of AKT1 in CHO-K1 cell lysate(B) and CHO-K1 transfected by AKT1(A) cell lysate using AKT1 mouse mAb (1:1000 diluted). Predicted band size: 60KDa. Observed band size: 60KDa.



WB (Western Blot)

Western blot detection of AKT1 in 3T3 cell lysates using AKT1 mouse mAb (dilution 1:2000).with super ECL. Predicted band size: 60KDa. Observed band size: 60KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Akt1 antibody	The serine-threonine protein kinase encoded by the AKT1 gene is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. Mutations in this gene have been associated with the Proteus syndrome. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2011]
Product Categories/Family for anti-Akt1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	62241013
NCBI GeneID	207
NCBI Accession #	NP_001014431.1
NCBI GenBank Nucleotide #	NM_001014431.1
UniProt Accession #	P31749; Q9BWB6; B2RAM5
Molecular Weight	55,686 Da
NCBI Official Full Name	RAC-alpha serine/threonine-protein kinase
NCBI Official Synonym Full Names	v-akt murine thymoma viral oncogene homolog 1
NCBI Official Symbol	AKT1
NCBI Official Synonym Symbols	AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
NCBI Protein Information	RAC-alpha serine/threonine-protein kinase; PKB alpha; RAC-PK-alpha; proto-oncogene c-Akt; protein kinase B alpha; rac protein kinase alpha
UniProt Protein Name	RAC-alpha serine/threonine-protein kinase
UniProt Gene Name	AKT1
UniProt Synonym Gene Names	PKB; RAC; PKB; PKB alpha
UniProt Entry Name	AKT1_HUMAN

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.