

AKT Monoclonal Antibody | anti-AKT antibody

AKT Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314303	Recombinant Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot

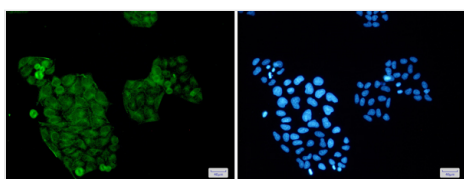
PRODUCT SYNONYMS

AKT; Monoclonal Antibody; AKT Rabbit mAb; MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma; anti-AKT antibody

PRODUCT SPECIFICATIONS

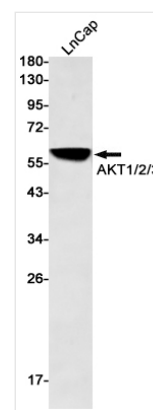
Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S08-8F1
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-AKT antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human AKT1/2/3
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of AKT1/2/3(green) in Hela cells using AKT Rabbit mAb at dilution 1/50, and DAPI(blue)



WB (Western Blot)

Western blot detection of AKT1/2/3 in LnCap cell lysates using AKT Rabbit mAb(1:500 diluted). Predicted band size:56kDa. Observed band size:56kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-AKT antibody	AKT3 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinase, and which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. This is mediated through serine and/or threonine phosphorylation of a range of downstream substrates. Over 100 substrate candidates have been reported so far, but for most of them, no isoform specificity has been reported. AKT3 is the least studied AKT isoform. It plays an important role in brain development and is crucial for the viability of malignant glioma cells. AKT3 isoform may also be the key molecule in up-regulation and down-regulation of MMP13 via IL13. Required for the coordination of mitochondrial biogenesis with growth factor-induced increases in cellular energy demands. Down-regulation by RNA interference reduces the expression of the phosphorylated form of BAD, resulting in the induction of caspase-dependent apoptosis.
Product Categories/Family for anti-AKT antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757579
NCBI GeneID	10000
UniProt Accession #	Q9Y243; Q0VAA6; Q5VTI1; Q5VTI2; Q96QV3; Q9UFP5
Molecular Weight	55,775 Da
NCBI Official Full Name	protein kinase B gamma
NCBI Official Synonym Full Names	v-akt murine thymoma viral oncogene homolog 3
NCBI Official Symbol	AKT3
NCBI Official Synonym Symbols	MPPH; PKBG; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma
NCBI Protein Information	RAC-gamma serine/threonine-protein kinase; PKB gamma; RAC-gamma serine/threonine protein kinase; v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)
UniProt Protein Name	RAC-gamma serine/threonine-protein kinase
UniProt Gene Name	AKT3
UniProt Synonym Gene Names	PKBG; PKB gamma
UniProt Entry Name	AKT3_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/akt-antibody-clone-s08-8f1-immunofluorescence-western-blot-elisa/314303>