

Mouse PKB alpha Monoclonal Antibody | anti-AKT1 antibody

Anti-PKB alpha antibody (monoclonal)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44895	Mouse	Human, Mouse, Rat, Chicken	Western Blot

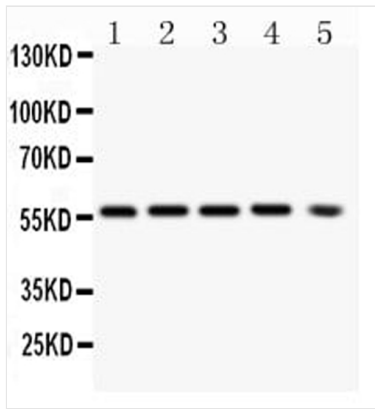
PRODUCT SYNONYMS

PKB alpha; Monoclonal Antibody; Anti-PKB alpha antibody (monoclonal); RAC-alpha serine/threonine-protein kinase; v-akt murine thymoma viral oncogene homolog 1; AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA; ONCOGENE AKT1; PROTEIN KINASE B-ALPHA; RAC SERINE/THREONINE PROTEIN KINASE; Protein kinase B; Proto-oncogene c-Akt; RAC-PK-alpha; anti-AKT1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Chicken
Clonality	Monoclonal
Isotype	IgG1
Clone Number	IML-26
Purity/Purification	Purified by the goat anti-mouse IgG affinity chromatography.
Form/Format	Lyophilized from 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Sequence Length	480
Applicable Applications for anti-AKT1 antibody	WB (Western Blot)
Immunogen	Synthetic peptide corresponding to amino acids 461-477 of human PKB alpha/Akt1.
Reconstitution	1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100ug/ml.
Preparation and Storage	At -20° C for one year. After reconstitution, at 4° for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

IMAGES



WB (Western Blot)
Anti- PKB alpha antibody, AAA44895, Western blottingAll lanes: Anti PKB alpha (AAA44895)
at 0.5ug/mL Lane 1: Rat Ovary Tissue Lysate at 50ug Lane 2: PC-12 Whole Cell Lysate at
40ug Lane 3: A549 Whole Cell Lysate at 40ug Lane 4: MCF-7 Whole Cell Lysate at 40ug Lane
5: HEPA Whole Cell Lysate at 40ug Predicted bind size: 56KD Observed bind size: 56KD

ADDITIONAL INFORMATION

Related Product Information for anti-AKT1 antibody	Description: Mouse IgG monoclonal antibody for PKB alpha, v-akt murine thymoma viral oncogene homolog 1 (AKT1) detection. Tested with WB in Human, mouse, rat, chicken. No cross reactivity with other proteins. Uniprot ID: P31749 Background: PKB alpha also knows as V-AKT murine thymoma vial oncogene homolog 1(ATK1). AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and is abrogated by mutations in the pleckstrin homology domain of AKT1. AKT1 gene is mapped to chromosome 14q32.3. Akt1/protein kinase B-alpha is critical for ischemic and VEGF-mediated angiogenesis. Akt1 regulates pathological angiogenesis, vascular maturation and permeability in vivo.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60391226
NCBI GeneID	207
UniProt Accession #	P31749; Q9BWB6; B2RAM5; B7Z5R1
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; AKT1m; 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.