

AKT3 recombinant protein

AKT3, Active

CATALOG # AAA72943	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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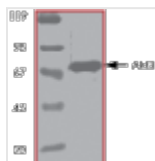
PRODUCT SYNONYMS

AKT3; Active; AKT3 recombinant protein

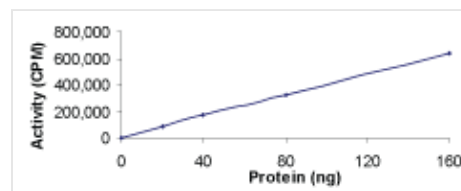
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	7091
Applicable Applications for AKT3 recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for AKT3 recombinant protein	Description: Recombinant full-length human AKT3 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag. Scientific Background: AKT 3 or Protein Kinase B gamma (PKBgamma) is a serine/threonine kinase that is a member of the AKT family. AKT 3 is activated in cells exposed to diverse stimuli such as hormones, growth factors, and extracellular matrix components (1). AKT 3 phosphorylates and regulates the function of many cellular proteins involved in processes that include cellular metabolism, survival/apoptosis, and proliferation. Recent evidence indicates that AKT 3 is frequently overexpressed in many types of human cancers including breast and prostate (2).
Product Categories/Family for AKT3 recombinant protein	Enzymes; Active Kinases

References	1. Coffey, P.J. et al: Protein kinase B (c-Akt): a multifunctional mediator of phosphatidylinositol 3-kinase activation. Biochem J. 1998 Oct 1; 335 (Pt 1): 1-13. 2. Anderson, K.E. et al: Translocation of PDK-1 to the plasma membrane is important in allowing PDK-1 to activate protein kinase B. Curr Biol. 1998 Jun 4;8 (12): 684-91.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332078467
NCBI GeneID	10000
NCBI Accession #	NM_005465.4
NCBI GenBank Nucleotide #	NM_005465
UniProt Accession #	Q9Y243; Q0VAA6; Q5VT11; Q5VT12; Q96QV3; Q9UFP5
Molecular Weight	~85 kDa
NCBI Official Full Name	Homo sapiens AKT serine/threonine kinase 3 (AKT3), transcript variant 1, mRNA
NCBI Official Synonym Full Names	AKT serine/threonine kinase 3
NCBI Official Symbol	AKT3
NCBI Official Synonym Symbols	MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma
NCBI Protein Information	RAC-gamma serine/threonine-protein kinase
UniProt Protein Name	RAC-gamma serine/threonine-protein kinase
UniProt Gene Name	AKT3
UniProt Synonym Gene Names	PKBG; PKB gamma

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/akt3-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/72943>