

Mouse AKT3 Monoclonal Antibody | anti-AKT3 antibody

AKT3 antibody

CATALOG # AAA74729	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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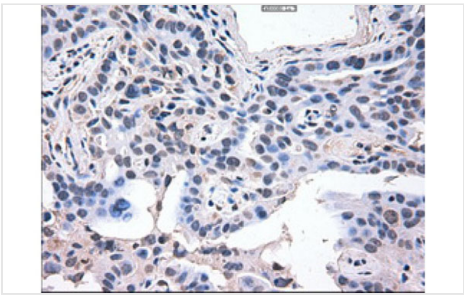
PRODUCT SYNONYMS

AKT3; Monoclonal Antibody; AKT3 antibody; Monoclonal AKT3; Anti-AKT3; V-akt murine thymoma viral oncogene homolog 3; PKBG; PRKBG; Protein kinase Akt 3; Protein kinase B gamma; RAC PK gamma; STK2; Serine threonine protein kinase Akt 3; AKT 3; AKT-3; anti-AKT3 antibody

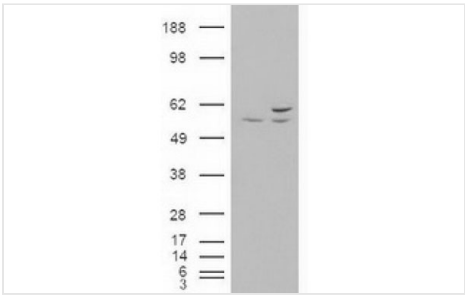
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG3
Clone Number	9H8
Purity/Purification	AKT3 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	466
Applicable Applications for anti-AKT3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	AKT3 is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKTkinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1).
Cross-Reactivity	Human, Mouse
Immunogen	AKT3 antibody was raised in mouse using a recombinant fragment expressed in E Coli corresponding to amino acids 2-479 of human AKT3 as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of AKT3 protein in paraffin embedded Carcinoma of Human lung tissue using AKT3 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant AKT3 protein (Right) or empty vector (Left) detected with AKT3 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AKT3 antibody	Mouse monoclonal AKT3 antibody
Product Categories/Family for anti-AKT3 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	62089468
NCBI GeneID	10000
UniProt Accession #	Q56A86; Q9Y243
Molecular Weight	54,288 Da
NCBI Official Full Name	AKT3 protein, partial
NCBI Official Synonym Full Names	v-akt murine thymoma viral oncogene homolog 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	AKT3 protein
UniProt Gene Name	AKT3
UniProt Entry Name	Q56A86_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.