

Mouse anti-Human, mouse AKT3 Monoclonal Antibody | anti-AKT3 antibody

AKT3 Antibody

CATALOG # AAA283412	HOST Mouse	REACTIVITY Human, mouse	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

AKT3; Monoclonal Antibody; AKT3 Antibody; RAC-gamma serine/threonine-protein kinase; Protein kinase Akt-3; Protein kinase B gamma; PKB gamma; RAC-PK-gamma; STK-2; PKBG; anti-AKT3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse
Clonality	Monoclonal
Isotype	Rabbit Ig
Clone Number	154CT4.5.3
Specificity	This AKT3 monoclonal antibody is generated from mouse immunized with AKT3 recombinant protein.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Length	465
Applicable Applications for anti-AKT3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

AKT3 Monoclonal Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AKT3 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

AKT3 western blot analysis in mouse NIH-3T3 cell line lysates (15ug/lane). This demonstrates the AKT3 antibody detected the AKT3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-AKT3 antibody	AKT3 is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases 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).
Product Categories/Family for anti-AKT3 antibody	Cancer; Cell Biology; Immunology; Neuroscience; Signal Transduction
References	Santi, S.A., et al. Am. J. Physiol., Cell Physiol. 298 (3), C580-C591 (2010) : McCauley, J.L., et al. Genes Immun. 10(7):624-630(2009) Yang, W.L., et al. Science 325(5944):1134-1138(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	332078559
NCBI GeneID	10000
NCBI Accession #	NP_001193658.1; NP_005456.1; NP_859029.1
NCBI GenBank Nucleotide #	NM_001206729.1
UniProt Accession #	Q9Y243; Q0VAA6; Q5VTI1; Q5VTI2; Q96QV3; Q9UFP5
Molecular Weight	55775
NCBI Official Full Name	RAC-gamma serine/threonine-protein kinase isoform 2
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	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.