

Mouse AKT3 Monoclonal Antibody | anti-AKT3 antibody

Mouse Monoclonal [clone 66C1247.1] (IgG1) to Human AKT3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51774	Mouse	Bat, Gibbon, Bovine, Chicken, Dog, Gorilla, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat Predicted Reactivity: Hamster (at least 90% immunogen sequence identity)	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

AKT3; Monoclonal Antibody; Mouse Monoclonal [clone 66C1247.1] (IgG1) to Human AKT3; Anti-AKT3 Antibody (aa119-136; clone 66C1247.1) IHC-plus; AKT3/PKBgamma; PRKBG; PKB gamma; Protein kinase Akt-3; RAC-gamma; MPPH; PKB-GAMMA; PKBG; Protein kinase B gamma; RAC-PK-gamma; STK-2; Human AKT3; anti-AKT3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Bat, Gibbon, Bovine, Chicken, Dog, Gorilla, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat Predicted Reactivity: Hamster (at least 90% immunogen sequence identity)
Clonality	Monoclonal
Isotype	IgG1
Clone Number	66C1247.1
Specificity	A synthetic peptide corresponding to amino acid residues 119-136 (CSPTSQIDNIGEEEMDAS) of human Akt3, GenBank no. gi 4574744 gb AAD24196.1 AF135794_1. This sequence is identical in human, mouse, rat, cow, dog, and chicken.
Purity/Purification	Protein G Purified
Form/Format	PBS, 0.05% BSA, 0.05% sodium azide. Sourced in TCS.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	479
Applicable Applications for anti-AKT3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	A synthetic peptide corresponding to amino acid residues 119-136 (CSPTSQIDNIGEEEMDAS) of human AKT3, GenBank no. gi 4574744 gb AAD24196.1 AF135794_1. This sequence is identical in human, mouse, rat, cow, dog, and chicken.
Immunogen Type	Synthetic peptide
Immunogen	AKT3 antibody was raised against a synthetic peptide corresponding to amino acid residues 119-136 (CSPTSQIDNIGEEEMDAS) of human AKT3, GenBank no. gi 4574744 gb AAD24196.1 AF135794_1. This sequence is identical in human, mouse, rat, cow, dog, and chicken. Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine, Dog, Bat, Elephant, Panda, Horse, Rabbit, Pig, Opossum, Turkey, Chicken, Platypus (100%); Hamster (94%); Zebrafish (89%).
Antigen Modification	aa119-136
Preparation and Storage	Long term: -20 degree C; Short term: +4 degree C; Avoid freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis for AKT3 using antibody at 2 ug/ml dilution against 30 ug/lane of human kidney lysate.



IHC (Immunohistochemistry)
Anti-AKT3 antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

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. AKT3 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	Family: Protein Kinase; Subfamily: RAC/AKT

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885549
NCBI GeneID	10000
NCBI Accession #	NP_005456.1
NCBI GenBank Nucleotide #	NM_005465.4
UniProt Accession #	Q9Y243; Q0VAA6; Q5VTI1; Q5VTI2; Q96QV3; Q9UFP5
Molecular Weight	54,032 Da
NCBI Official Full Name	RAC-gamma serine/threonine-protein kinase isoform 1
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; 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.