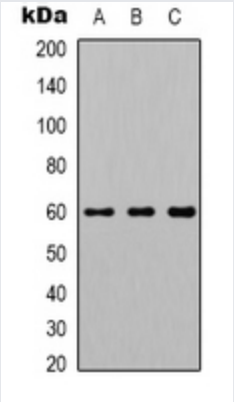
AKT3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AKT3, Polyclonal Antibody
Full Product Name	Anti-AKT3 Antibody
Product Gene Name	anti-AKT3 antibody
Product Synonym Names	PKBG; RAC-gamma serine/threonine-protein kinase; Protein kinase Akt-3; Protein kinase B gamma; PKB gamma; RAC-PK-gamma; STK-2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	The antibody was purified by affinity chromatography.
Specificity	Recognizes endogenous levels of AKT3 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	54,032 Da
OMIM	611223
3D Structure	ModBase 3D Structure for Q9Y243
Immunogen	Recombinant protein corresponding to human AKT3.
Applications Tested/Suitable for anti-AKT3 antibody	Western Blot (WB)
Application Notes for anti-AKT3 antibody	Western Blot: (1/1000 - 1/2000)
Related Product Information for anti-AKT3 antibody	MBS8242806 is an antibody targeting AKT3. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal to AKT3
Other Notes	Small volumes of anti-AKT3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-AKT3 antibody
Western blot analysis of AKT3 expression in Hela (A), NIH3T3 (B), mouse brain (C), rat brain (D) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AKT3. It may not necessarily be applicable to this product.

NCBI GI #	12643943
NCBI GeneID	10000
NCBI Accession #	Q9Y243.1
UniProt Primary Accession #	Q9Y243
UniProt Secondary Accession #	Q0VAA6; Q5VTI1; Q5VTI2; Q96QV3; Q9UFP5
UniProt Related Accession #	Q9Y243
NCBI Official Full Name	RAC-gamma serine/threonine-protein kinase
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
UniProt Protein Name	RAC-gamma serine/threonine-protein kinase
UniProt Synonym Protein Names	Protein kinase Akt-3; Protein kinase B gamma; PKB gamma; RAC-PK-gamma; STK-2
Protein Family	RAC-gamma serine/threonine-protein kinase
UniProt Gene Name	AKT3
UniProt Synonym Gene Names	PKBG; PKB gamma
UniProt Entry Name	AKT3_HUMAN
NCBI Protein Information	RAC-gamma serine/threonine-protein kinase
NCBI Summary for AKT3	The protein encoded by this gene 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). Alternatively splice transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]

UniProt Comments for AKT3	Akt3: an AGC kinase that plays a critical role in controlling the balance between survival and apoptosis. Stimulated by platelet-derived growth factor, insulin, and insulin-like growth factor 1. Alternatively spliced isoforms have been described. Protein type: Protein kinase, Ser/Thr (non-receptor); Protein kinase, AGC; EC 2.7.11.1; Kinase, protein; AGC group; AKT family Chromosomal Location of Human Ortholog: 1q44 Cellular Component: cytoplasm; Golgi apparatus; intracellular; nucleoplasm; plasma membrane Molecular Function: ATP binding; protein binding; protein kinase activity; protein serine/threonine kinase activity Biological Process: mitochondrial genome maintenance; peptidyl-serine phosphorylation; protein amino acid phosphorylation; signal transduction Disease: Megalencephaly-polymicrogyria-polydactyly-hydrocephalus Syndrome 2
Research Articles on AKT3	**1.** miR-582-5p regulated the progression of hepatocellular carcinoma through directly inhibiting the expression of CDK1 and AKT3, and indirectly inhibiting the expression of cyclinD1
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