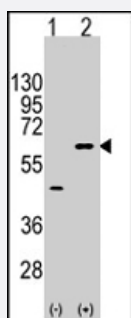


AKT3 polyclonal antibody

Catalog # PAB4553

Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of AKT3 (arrow) using rabbit AKT3 polyclonal antibody (Cat # PAB4553). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the AKT3 gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AKT3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S472 of human AKT3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) Western Blot (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of AKT3 (arrow) using rabbit AKT3 polyclonal antibody (Cat # PAB4553). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the AKT3 gene (Lane 2) (Origene Technologies).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AKT3

Entrez GeneID	10000
Protein Accession#	NP_005456;Q9Y243
Gene Name	AKT3
Gene Alias	DKFZp434N0250, PKB-GAMMA, PKBG, PRKBG, RAC-PK-gamma, RAC-gamma, STK-2
Gene Description	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)
Omim ID	611223
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000037911 OTTHUMP00000037912 RAC-gamma serine/threonine protein kinase protein kinase B gamma serine threonine protein kinase, Akt-3 v-akt murine thymoma viral oncogene homolog 3

Publication Reference

- [Transforming growth factor-beta1 stimulated protein kinase B serine-473 and focal adhesion kinase tyrosine phosphorylation dependent on cell adhesion in human hepatocellular carcinoma SMMC-7721 cells.](#)

Xu Z, Ma DZ, Wang LY, Su JM, Zha XL.

Biochemical and Biophysical Research Communications 2003 Dec; 312(2):388.

- [Defective signaling through Akt-2 and -3 but not Akt-1 in insulin-resistant human skeletal muscle: potential role in insulin resistance.](#)

Brozinick JT Jr, Roberts BR, Dohm GL.

Diabetes 2003 Apr; 52(4):935.

Application: KA, Human, Human skeletal muscle

- [Gene expression profiling in prostate cancer cells with Akt activation reveals Fra-1 as an Akt-inducible gene.](#)

Tiwari G, Sakaue H, Pollack JR, Roth RA.

Molecular Cancer Research: MCR 2003 Apr; 1(6):475.

Application: IP, KA, Human, PC-3 cells

Pathway

- [Acute myeloid leukemia](#)
- [Adipocytokine signaling pathway](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Glioma](#)

- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [mTOR signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Renal cell carcinoma](#)
- [Small cell lung cancer](#)
- [T cell receptor signaling pathway](#)
- [Tight junction](#)
- [Toll-like receptor signaling pathway](#)
- [VEGF signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Multiple Sclerosis](#)
- [Thyroid Neoplasms](#)

- [Urinary Bladder Neoplasms](#)