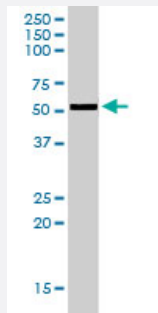


AKT3 polyclonal antibody

Catalog # PAB6709 Size 100 ug

Applications



Western Blot (Cell lysate)

AKT3 polyclonal antibody (Cat # PAB6709) (1 ug/mL) staining of HepG2 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of AKT3.
Immunogen	A synthetic peptide corresponding to human AKT3.
Sequence	CSPTSQIDNIGEEEM
Host	Goat
Theoretical MW (kDa)	55.8, 54
Reactivity	Human, Mouse, Rat
Specificity	This antibody is expected to recognize an epitope corresponding to both isoforms of human AKT3 protein. This antibody does not cross-react with human AKT1/2.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:16000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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 (Cell lysate)

AKT3 polyclonal antibody (Cat # PAB6709) (1 ug/mL) staining of HepG2 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AKT3

Entrez GeneID	10000
Protein Accession#	NP_005456;NP_859029
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

- [AKT-1, -2, and -3 are expressed in both normal and tumor tissues of the lung, breast, prostate, and colon.](#)

Zinda MJ, Johnson MA, Paul JD, Horn C, Konicek BW, Lu ZH, Sandusky G, Thomas JE, Neubauer BL, Lai MT, Graff JR.
Clinical Cancer Research 2001 Aug; 7(8):2475.

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](#)