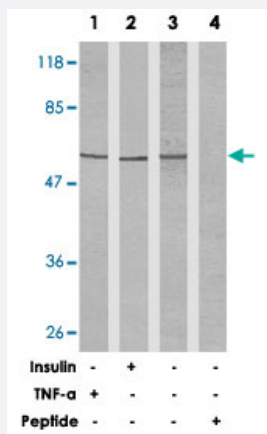


AKT2 polyclonal antibody

Catalog # PAB26719 Size 100 ug

Applications



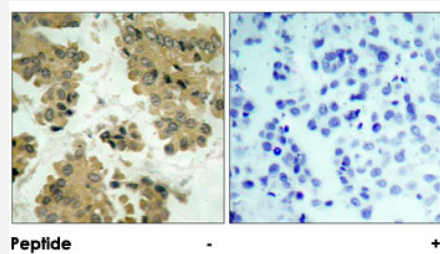
Western Blot (Cell lysate)

Western blot analysis of cell extracts using AKT2 polyclonal antibody (Cat # PAB26719).

Lane 1: A2780

Lane 2: HEK293

Lane 3 & 4: LOX



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using AKT2 polyclonal antibody (Cat # PAB26719).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AKT2.
Immunogen	A synthetic peptide corresponding to residues surrounding S474 of human AKT2.
Sequence	Q-F-Sp-Y-S
Host	Rabbit
Theoretical MW (kDa)	60

Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 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)

Western blot analysis of cell extracts using AKT2 polyclonal antibody (Cat # PAB26719).

Lane 1: A2780

Lane 2: HEK293

Lane 3 & 4: LOX

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using AKT2 polyclonal antibody (Cat # PAB26719).

Gene Info — AKT2

Entrez GeneID	208
Protein Accession#	P31751
Gene Name	AKT2
Gene Alias	PKBB, PKBBETA, PRKBB, RAC-BETA
Gene Description	v-akt murine thymoma viral oncogene homolog 2
Omim ID	125853 164731

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. The gene was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancer cells. The encoded protein is a general protein kinase capable of phosphorylating several known proteins. [provided by RefSeq]

Other Designations

Murine thymoma viral (v-akt) homolog-2|rac protein kinase beta

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](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Insulin Resistance](#)
- [Lipodystrophy](#)
- [Lung Neoplasms](#)

- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Thyroid Neoplasms](#)