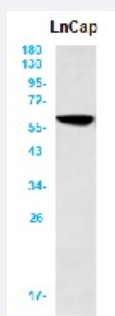


RecomAb™

AKT3 recombinant monoclonal antibody, clone R08-8F1

Catalog # RAB01623 Size 100 uL

Applications



Western Blot

Western blot analysis of AKT1/2/3 in LnCap lysates using human AKT1/2/3 recombinant monoclonal antibody, clone R08-8F1 (Cat # RAB01623).

Specification

Product Description Rabbit recombinant monoclonal antibody raised against synthetic peptide of human AKT1/2/3.

Antibody Species Rabbit

Immunogen Original antibody is raised against a synthetic peptide corresponding to human AKT1/2/3

Theoretical MW (kDa) Calculated MW: 56 kD

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage Immunofluorescence(1:50-1:200)
Western Blot (1:500-1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C for short term. 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

Western blot analysis of AKT1/2/3 in LnCap lysates using human AKT1/2/3 recombinant monoclonal antibody, clone R08-8F1 (Cat # RAB01623).

- Immunocytochemistry

Gene Info — AKT3

Entrez GeneID[10000](#)**Protein Accession#**[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

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](#)