

Akt (pan). Rabbit Antigen Immunoaffinity Purified Polyclonal
Protein Kinase B, RAC-alpha

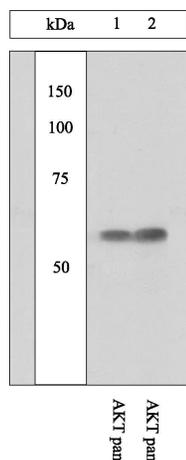
BACKGROUND

Akt, also known as Protein Kinase B (PKB) or RAC- α , is a 60 kDa serine/threonine kinase that plays an important role in multiple biological responses including metabolism, cell survival and growth by phosphorylating many proteins including GSK-3 β , caspase 9, BAD, and the Forkhead Transcription Factor. Akt is activated by PI3K, which in turn can interact with proteins like FAK thereby linking activation to the cytoskeleton. Akt/PKB is constitutively active in many types of human cancer, and contributes to tumor progression by promoting angiogenesis and cell invasiveness. Akt is fully activated by phosphorylation of threonine 308 by PDK1 and serine 473 by PDK2.

IMMUNOGEN

A synthetic peptide derived from the carboxy-terminus region of human Akt1

Extracts of 3T3L1 cells were resolved by SDS-PAGE on a 10% Tris-glycine gel and transferred to PVDF. The membrane was blocked with a 5% BSA-TBST buffer for one hour at room temperature, then incubated with a 1:1000 (1) or 1:500 (2) dilution of the Akt/PKB pan antibody for two hours at room temperature in a 3% BSA-TBST buffer. After washing, the membrane was incubated with goat F(ab')₂ anti-rabbit IgG HRP-conjugate and signals were detected using the Pierce SuperSignal™ method.



ORDERING INFORMATION

CATALOG NUMBER
X1890P

SIZE
200 μ l

FORM
Affinity Purified

HOST/CLONE
Rabbit

FORMULATION
Provided as solution in phosphate buffered saline pH 7.3 with 0.1% BSA, 0.05% sodium azide, and 50% glycerol

CONCENTRATION
See vial for concentration

ISOTYPE
IgG

APPLICATIONS
Western Blot

SPECIES REACTIVITY
Human, Mouse .

ACCESSION NUMBER
Human P31749

POSITIVE CONTROL/TISSUE EXPRESSION

Postive Control: 3T3 L1 cell extracts

COMMENTS

We recommend using the antibody at a 1:1000 starting dilution. Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Purified from rabbit serum by sequential epitope-specific chromatography.

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

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PRODUCT SPECIFIC REFERENCES