

Catalog #: 51203

Aliases

AKT1; PKB; RAC; RAC-alpha serine/threonine-protein kinase; Protein kinase B; PKB; Protein kinase B alpha; PKB alpha; Proto-oncogene c-Akt; RAC-PK-alpha; AKT2; RAC-beta serine/threonine-protein kinase; Protein kinase Akt-2; Protein kinase B beta; PKB beta; RAC-PK-beta; AKT3; PKBG; RAC-gamma serine/threonine-protein kinase; Protein kinase Akt-3; Protein kinase B gamma; PKB gamma; RAC-PK-gamma; STK-2

Background

Gene Name: AKT1/AKT2/AKT3

NCBI Gene Entry: [207/208/10000](#)

UniProt Entry: [P31749/P31751/Q9Y243](#)

Application Information

Molecular Weight: Predicted, 55 kDa; observed, 60 kDa

Clonality: Rabbit polyclonal antibody

Species Reactivity: Human, mouse, rat, bovine, sheep, zebrafish

Applications Tested: Western blotting (WB), immunohistochemistry (IHC)

Immunogen

A synthesized peptide derived from human AKT

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

Storage

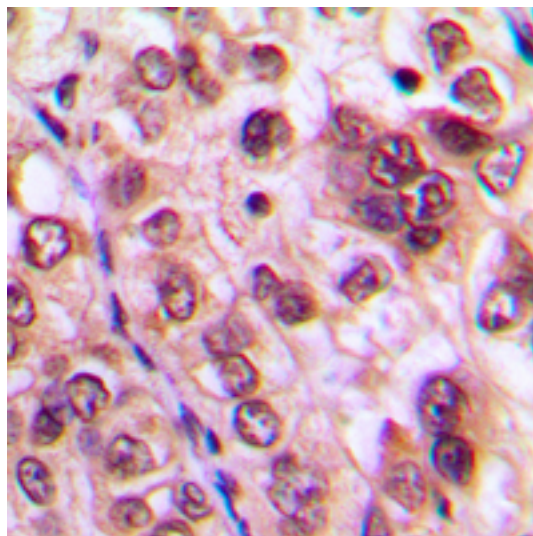
Store at -20 °C for one year.

Recommended Dilutions

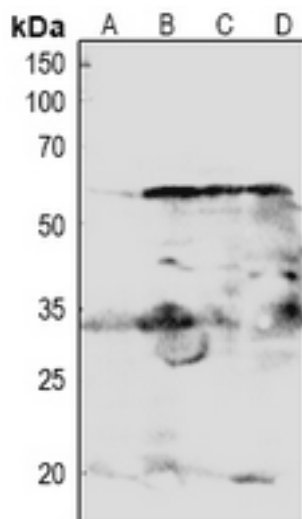
Western Blotting (WB): 1:500-1:1,000

Immunohistochemistry (IHC): 1:50-1:100

Note: This product is for research use only.

Validation Data

Immunohistochemical analysis of AKT staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blotting analysis of AKT expression in HEK293T (A), Jurkat (B), Hela (C), NIH3T3 (D) whole cell lysates.