

## Rabbit AKT Polyclonal Antibody | anti-AKT antibody

Rabbit anti-AKT Antibody

| CATALOG # | HOST   | REACTIVITY                                                | APPLICATIONS                       |
|-----------|--------|-----------------------------------------------------------|------------------------------------|
| AAA223218 | Rabbit | Human, Mouse, Rat, Bovine, Chicken, Pig, Sheep, Zebrafish | Immunohistochemistry, Western Blot |

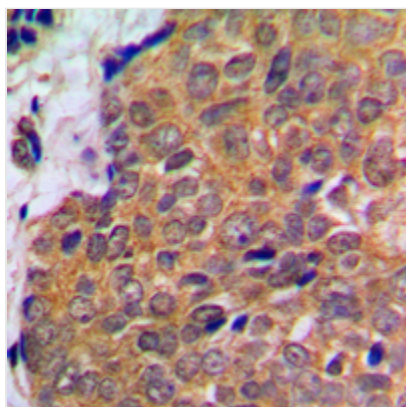
### PRODUCT SYNONYMS

AKT; Polyclonal Antibody; Rabbit anti-AKT Antibody; PKB; RAC; RAC-alpha serine/threonine-protein kinase; Protein kinase B; Protein kinase B alpha; PKB alpha; Proto-oncogene c-Akt; RAC-PK-alpha; anti-AKT antibody

### PRODUCT SPECIFICATIONS

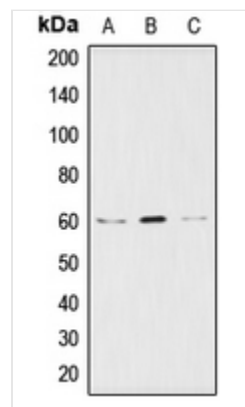
|                                               |                                                                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                             |
| Reactivity                                    | Human, Mouse, Rat, Bovine, Chicken, Pig, Sheep, Zebrafish                                                                          |
| Clonality                                     | Polyclonal                                                                                                                         |
| Purity/Purification                           | The antibody was purified by immunogen affinity chromatography.                                                                    |
| Form/Format                                   | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                          |
| Concentration                                 | 1mg/mL (varies by lot)                                                                                                             |
| Applicable Applications for anti-AKT antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                      |
| Immunogen                                     | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human AKT. The exact sequence is proprietary. |
| Preparation and Storage                       | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                          |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of AKT staining in human breast 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.



#### WB (Western Blot)

Western blot analysis of AKT expression in HeLa (A), NIH3T3 (B), PC12 (C) whole cell lysates.

ADDITIONAL INFORMATION

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Product Categories/Family for anti-AKT antibody | Primary antibodies |
|-------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 62241013                                                                                                                                   |
| NCBI GeneID                      | 207                                                                                                                                        |
| NCBI Accession #                 | NP_001014431.1                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_001014431.1                                                                                                                             |
| UniProt Accession #              | P31749; P31750; P47196                                                                                                                     |
| Molecular Weight                 | 55,686 Da                                                                                                                                  |
| NCBI Official Full Name          | RAC-alpha serine/threonine-protein kinase                                                                                                  |
| NCBI Official Synonym Full Names | v-akt murine thymoma viral oncogene homolog 1                                                                                              |
| NCBI Official Symbol             | AKT1                                                                                                                                       |
| NCBI Official Synonym Symbols    | AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA                                                                                           |
| NCBI Protein Information         | RAC-alpha serine/threonine-protein kinase; PKB alpha; RAC-PK-alpha; proto-oncogene c-Akt; protein kinase B alpha; rac protein kinase alpha |
| UniProt Protein Name             | RAC-alpha serine/threonine-protein kinase                                                                                                  |
| UniProt Gene Name                | <b>AKT1</b>                                                                                                                                |
| UniProt Synonym Gene Names       | PKB; RAC; PKB; PKB alpha                                                                                                                   |
| UniProt Entry Name               | AKT1_HUMAN                                                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/akt-antibody-immunohistochemistry-western-blot-elisa/223218>