

## Rabbit anti-Human AKT1 Polyclonal Antibody | anti-AKT1 antibody

Rabbit anti-AKT1 IHC Antibody, Affinity Purified

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA214061</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

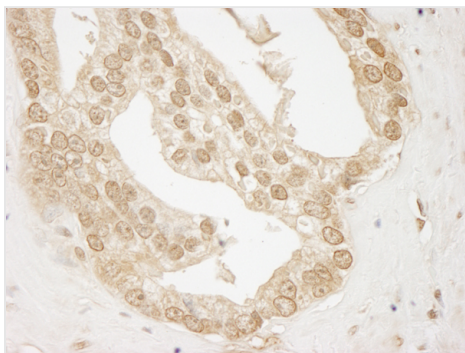
### PRODUCT SYNONYMS

AKT1; Polyclonal Antibody; Rabbit anti-AKT1 IHC Antibody; Affinity Purified; Protein kinase B; RAC; v-akt murine thymoma viral oncogene homolog 1; serine-threonine protein kinase; RAC-PK-alpha; RAC-alpha serine/threonine-protein kinase; RAC-ALPHA; rac protein kinase alpha; v-akt murine thymoma viral oncogene-like protein 1; protein kinase B alpha; PRKBA; PKB-ALPHA; PKB alpha; PKB; CWS6; AKT1m; AKT; proto-oncogene c-Akt; AKT serine/threonine kinase 1; anti-AKT1 antibody

### PRODUCT SPECIFICATIONS

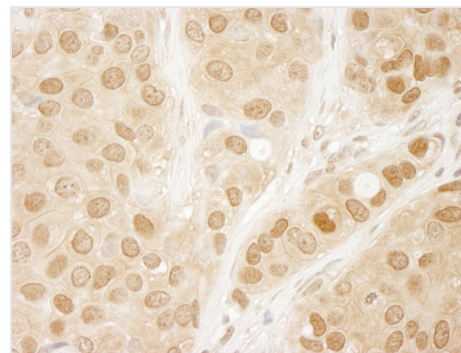
|                                                |                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                |
| Reactivity                                     | Human                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                            |
| Purity/Purification                            | Antigen Affinity Purified                                                                                             |
| Form/Format                                    | Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide                                    |
| Concentration                                  | 250ug/ml (varies by lot)                                                                                              |
| Applicable Applications for anti-AKT1 antibody | IHC (Immunohistochemistry)                                                                                            |
| Predicted Reactivity                           | Orangutan, Monkey, Gorilla, Chimpanzee, White-tufted-ear marmoset, Northern white-cheeked gibbon, Crab-eating macaque |
| Immunogen                                      | Between 25 and 75                                                                                                     |
| Conjugation                                    | Unconjugated                                                                                                          |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                                                      |

### IMAGES



#### IHC (Immunohistochemistry)

Detection of human AKT1 by immunohistochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-AKT1 (Cat. No. AAA214061) used at a dilution of 1:250. Detection: DAB



#### IHC (Immunohistochemistry)

Detection of human AKT1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-AKT1 (Cat. No. AAA214061) used at a dilution of 1:250. Detection: DAB

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AKT1 antibody | AKT1 is a serine-threonine kinase that functions downstream of PI-3 kinase and is known to phosphorylate several proteins. AKT1 mediates the effects of several growth factors such as insulin, IGF-1, EGF, and PDGF to control cell survival and apoptosis. There are numerous substrates of AKT1, some of which are: GSK3-alpha and beta, mTOR, TSC2, Bad, c-Raf, and caspase 9. |
| Product Categories/Family for anti-AKT1 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 62241011                                                                                                                                          |
| NCBI GeneID                      | 207                                                                                                                                               |
| NCBI Accession #                 | NP_005154.2                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_005163.2                                                                                                                                       |
| UniProt Accession #              | P31749; Q9BWB6; B2RAM5; B7Z5R1                                                                                                                    |
| Molecular Weight                 | 48,347 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; AKT1m; 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                | AKT1                                                                                                                                              |
| 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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/akt1-antibody-immunohistochemistry-elisa/214061>