

## Rabbit AKT1/AKT2/AKT3 Polyclonal Antibody | anti-AKT1 antibody

AKT1/AKT2/AKT3 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA236721 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

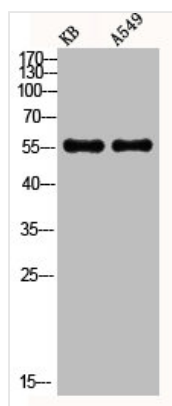
### PRODUCT SYNONYMS

AKT1/AKT2/AKT3; Polyclonal Antibody; AKT1/AKT2/AKT3 Antibody; AKT1; PKB; RAC; RAC-alpha serine/threonine-protein kinase; Protein kinase B; Protein kinase B alpha; PKB alpha; Proto-oncogene c-Akt; RAC-PK-alpha; AKT2; RAC-beta serine/threonine-protein kinase; Protein kinase Akt-2; anti-AKT1 antibody

### PRODUCT SPECIFICATIONS

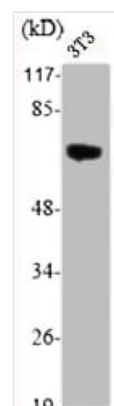
|                                                |                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                               |
| Reactivity                                     | Human, Mouse, Rat                                                                                    |
| Clonality                                      | Polyclonal                                                                                           |
| Isotype                                        | IgG                                                                                                  |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Form/Format                                    | Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.                 |
| Applicable Applications for anti-AKT1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                 |
| Immunogen                                      | Synthesized peptide derived from human Akt around the non-phosphorylation site of S473.              |
| Immunogen Species                              | Human                                                                                                |
| Conjugate                                      | Non-conjugated                                                                                       |
| Preparation and Storage                        | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.                          |

### IMAGES



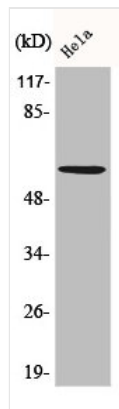
WB (Western Blot)

Western Blot analysis of KB A549 using Akt Polyclonal Antibody



WB (Western Blot)

Western Blot analysis of NIH-3T3 cells using Akt Polyclonal Antibody



**WB (Western Blot)**  
Western Blot analysis of HeLa cells using Akt Polyclonal Antibody

### ADDITIONAL INFORMATION

|                                                  |              |
|--------------------------------------------------|--------------|
| Product Categories/Family for anti-AKT1 antibody | Neuroscience |
|--------------------------------------------------|--------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 62241013                                                                                                                                   |
| NCBI GeneID                      | 207                                                                                                                                        |
| NCBI Accession #                 | NP_001014431.1                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_001014431.1                                                                                                                             |
| UniProt Accession #              | P31749; P31751; Q9Y243                                                                                                                     |
| 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.