

## Human RAC-alpha serine/threonine-protein kinase ELISA Kit | AKT1 elisa kit

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CATALOG #  
**AAA192956**

REACTIVITY  
**Human**

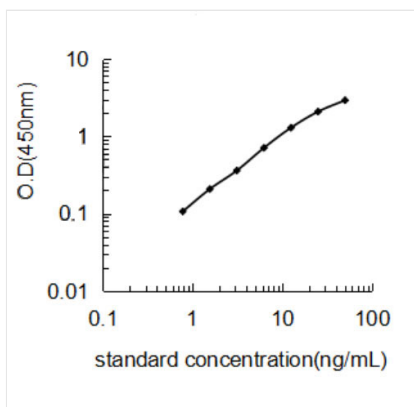
### PRODUCT SYNONYMS

RAC-alpha serine/threonine-protein kinase; Human RAC-alpha serine/threonine-protein kinase ELISA Kit; Protein kinase B; PKB; Protein kinase B alpha; PKB alpha; Proto-oncogene c-Akt; RAC-PK-alpha; AKT1; RAC; 2.7.11.1; AKT1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                 |
| Specificity             | Recombinant and natural Human RAC-PK-alpha                                            |
| Sequence Length         | 480                                                                                   |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids |
| Detection Range         | 0.78-50 ng/mL                                                                         |
| Sensitivity             | < 0.195 ng/mL                                                                         |
| Intra-assay Precision   | <=5.3%                                                                                |
| Inter-assay Precision   | <=8.6%                                                                                |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Related Product Information for AKT1 elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 62241013                                         |
| NCBI GeneID                      | 207                                              |
| NCBI Accession #                 | NP_001014431.1                                   |
| NCBI GenBank Nucleotide #        | NM_001014431.1                                   |
| 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        |
| 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://stage.aaabiotech.com/akt1-human-elisa-kits/rac-alpha-serine-threonine-protein-kinase/192956>