

## Akt2 Antibody | anti-Akt2 antibody

Akt2 (Phospho-Ser474) Antibody

|                               |                                        |                                                           |
|-------------------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA111207</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|-----------------------------------------------------------|

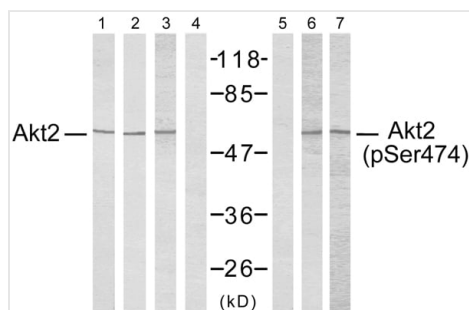
### PRODUCT SYNONYMS

Akt2; Akt2 (Phospho-Ser474) Antibody; anti-Akt2 antibody

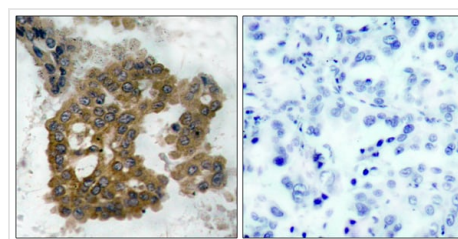
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                    | Akt2 (phospho-Ser474) antibody detects endogenous levels of Akt2 only when phosphorylated at serine 474.                                                                                                                                            |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                    | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                | 438                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-Akt2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                       |
| Immunogen                                      | The antiserum was produced against synthesized phosphopeptide derived from human Akt2 around the phosphorylation site of serine 474 (Q-F-SP-Y-S).                                                                                                   |
| Preparation and Storage                        | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES


**WB (Western Blot)**

Western blot analysis using Akt2 (Ab-474) antibody and Akt2 (phospho-Ser474) antibody.


**IHC (Immunohistochemistry)**

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Akt2 (phospho-Ser474) antibody.

### ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-Akt2 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                       | Sun M, et al. (2001) Cancer Res; 61(16): 5985-91. Yuan ZQ, et al. (2000) Oncogene; 19(19): 2324-30. Meier R, et al. (1997) J Biol Chem; 272(48): 30491-7.                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 1059842869                                         |
| NCBI GeneID                      | 208                                                |
| NCBI Accession #                 | NP_001317440.1                                     |
| NCBI GenBank Nucleotide #        | NM_001330511.1                                     |
| UniProt Accession #              | P31751; Q05BV0; Q0VAN0; Q0VAN1; Q68GC0; B2RBD8     |
| Molecular Weight                 | 51,083 Da                                          |
| NCBI Official Full Name          | RAC-beta serine/threonine-protein kinase isoform 4 |
| NCBI Official Synonym Full Names | AKT serine/threonine kinase 2                      |
| NCBI Official Symbol             | AKT2                                               |
| NCBI Official Synonym Symbols    | PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA             |
| NCBI Protein Information         | RAC-beta serine/threonine-protein kinase           |
| UniProt Protein Name             | RAC-beta serine/threonine-protein kinase           |
| UniProt Gene Name                | AKT2                                               |
| UniProt Synonym Gene Names       | PKB beta                                           |

**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/human-mouse-rat-antibody/akt2/111207>