

## Rabbit Akt2 Polyclonal Antibody | anti-AKT2 antibody

Akt2 (Phospho-Ser474) Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA316455 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

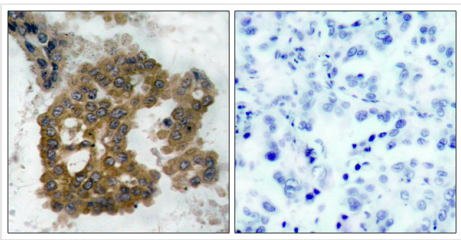
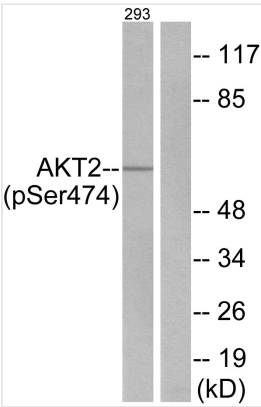
### PRODUCT SYNONYMS

Akt2; Polyclonal Antibody; Akt2 (Phospho-Ser474) Antibody; kinase Akt2; PKB beta; Protein kinase Akt-2; Protein kinase B; beta; RAC-beta serine/threonine protein kinase; RAC-PK-beta; v-akt murine thymoma viral oncogene homolog 2; anti-AKT2 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                           |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                |
| Clonality                                      | Polyclonal                                                                                                                                                                                       |
| Specificity                                    | Akt2 (Phospho-Ser474) Antibody detects endogenous levels of Akt2 only when phosphorylated at Ser474.                                                                                             |
| Purity/Purification                            | Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Form/Format                                    | Rabbit IgG 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.                                               |
| Concentration                                  | 1 mg/ml (varies by lot)                                                                                                                                                                          |
| Sequence Length                                | 438                                                                                                                                                                                              |
| Applicable Applications for anti-AKT2 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                             |
| Target Modification                            | Phospho                                                                                                                                                                                          |
| Modification Sites                             | H:S474; M:S474; R:S474                                                                                                                                                                           |
| Immunogen                                      | The antiserum was produced against synthesized peptide derived from human Akt2 around the phosphorylation site of Ser474.                                                                        |
| Immunogen Range                                | 432-481                                                                                                                                                                                          |
| Preparation and Storage                        | Stable at -20 degree C for at least 1 year.                                                                                                                                                      |

IMAGES



**IHC (Immunohistochemistry)**  
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using Akt2 (Phospho-Ser474) Antibody. The picture on the right is blocked with the phospho peptide.

**WB (Western Blot)**  
Western blot analysis of lysates from 293 cells treated with EGF 200ng/ml 30', using Akt2 (Phospho-Ser474) Antibody. The lane on the right is blocked with the phospho peptide.

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                 | 55 kDa                                             |
| 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; HIHGH; 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.