

# Akt2(Phospho-Ser474) Antibody

Catalog No: #11124



Package Size: #11124-1 50ul #11124-2 100ul #11124-4 25ul

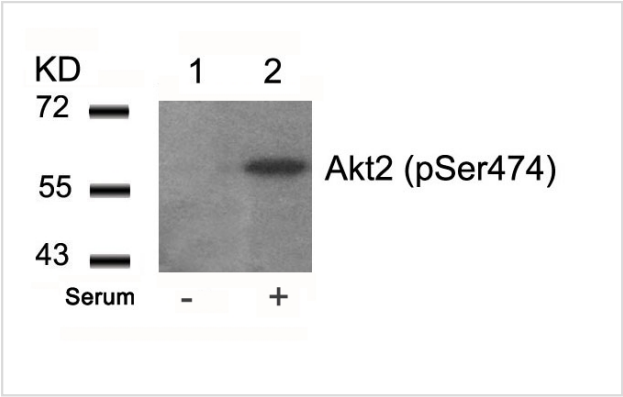
## Overview

|                    |   |
|--------------------|---|
| Product Name       | Akt2(Phospho-Ser474) Antibody           |
| Host Species       | Rabbit                                  |
| Clonality          | Polyclonal                              |
| Applications       | WB IHC                                  |
| Species Reactivity | Hu Ms Rt                                |
| Immunogen Type     | Peptide-KLH                             |
| Target Name        | Akt2                                    |
| Modification       | Phospho-Ser474                          |
| Alternative Names  | PKB beta; Protein kinase B; RAC-PK-beta |

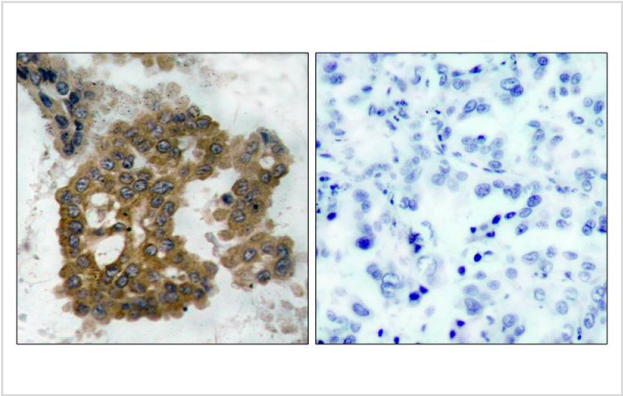
## Application Details

|                                  |
|----------------------------------|
| Predicted MW: 60kd               |
| Western blotting: 1:500~1:1000   |
| Immunohistochemistry: 1:50~1:100 |

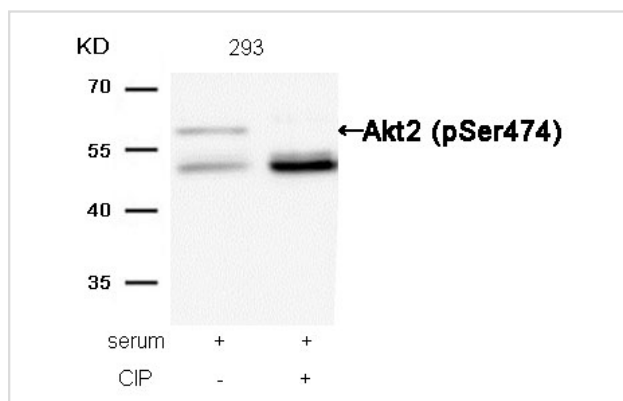
## Images



Western blot analysis of extracts from 293 cells untreated(lane 1) or treated with serum(lane 2) using Akt2(Phospho-Ser474) Antibody #11124.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Akt2(Phospho-Ser474) Antibody #11124(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from 293 cells, treated with serum or calf intestinal phosphatase (CIP), using Akt2 (Phospho-Ser474) Antibody #11124.

## Descriptions

|               |   |
|---------------|---|
| Immunogen     | Peptide sequence around phosphorylation site of serine 474 (Q-F-S(p)-Y-S) derived from Human Akt2.  |
| Specificity   | The antibody detects endogenous level of Akt2 only when phosphorylated at serine 474.   |
| Purification  | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Formulation   | Supplied at 1.0mg/mL 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.  |
| Storage       | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.   |
| Accession NO. | Swiss-Prot: P31751NCBI Protein: NP_001617.1   |

## Related Information

General protein kinase capable of phosphorylating several known proteins.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.