Akt2(Phospho-Ser474) Antibody

Catalog No: #AB11124

Package Size: #AB11124-1 50ul #AB11124-2 100ul #AB11124-4 25ul

Orders: order@abscitech.com
Support: tech@abscitech.com

Description

Product Name	Akt2(Phospho-Ser474) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Akt2 only when phosphorylated at serine 474.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 474 (Q-F-S(p)-Y-S) derived from Human Akt2.
Target Name	Akt2
Modification	Phospho-Ser474
Other Names	PKB beta; Protein kinase B; RAC-PK-beta
Accession No.	Swiss-Prot: P31751NCBI Protein: NP _001617.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.

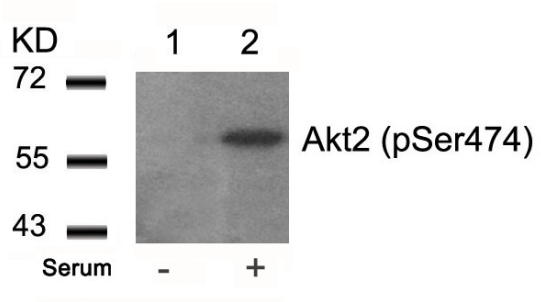
Application Details

Predicted MW: 60kd

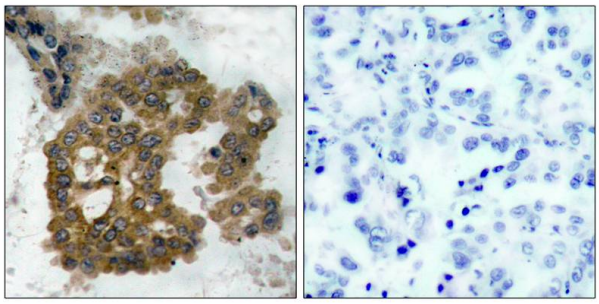
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

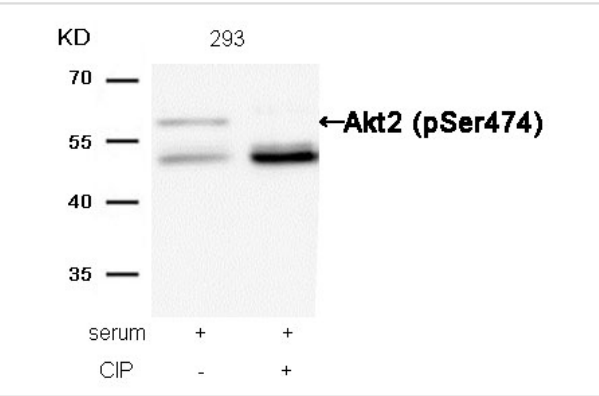
Images



Western blot analysis of extracts from 293 cells untreated(lane 1) or treated with serum(lane 2) using Akt2(Phospho-Ser474) Antibody #AB11124.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Akt2(Phospho-Ser474) Antibody #AB11124(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 #AB11124.

Background

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.