

Akt2 Antibody | anti-Akt2 antibody

Akt2 (Phospho-Ser474) Antibody

CATALOG # AAA111966	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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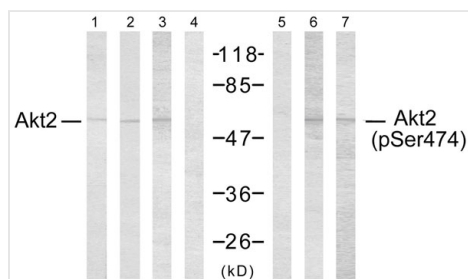
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

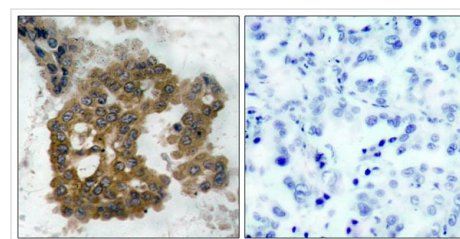
Reactivity	Human, Mouse, Rat
Specificity	Akt2 (phospho-Ser474) antibody detects endogenous levels of Akt2 only when phosphorylated at serine 474.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	438
Applicable Applications for anti-Akt2 antibody	ELISA, 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 (Line 1, 2, 3 and 4) and Akt2 (phospho-Ser474) antibody (Line 5, 6 and 7).



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/akt2/111966>