

Akt Antibody | anti-Akt antibody

Akt (Phospho-Tyr474) Antibody

CATALOG # AAA267466	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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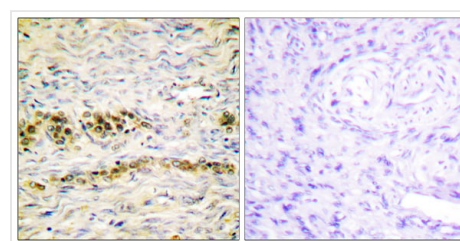
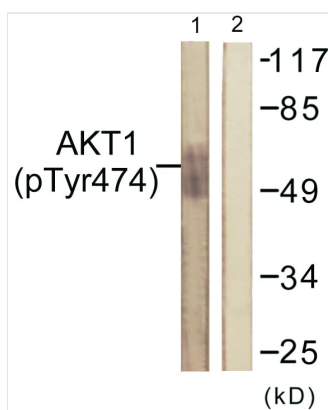
PRODUCT SYNONYMS

Akt; Akt (Phospho-Tyr474) Antibody; AKT; AKT1 kinase; C-AKT; EC 2.7.11.1; PKB; PKB-alpha; Protein kinase B; RAC; RAC-PK-alpha; RAC-alpha serine/threonine kinase; kinase Akt1; anti-Akt antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Akt (Phospho-Tyr474) antibody detects endogenous levels of Akt only when phosphorylated at tyrosine 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	480
Applicable Applications for anti-Akt antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Akt around the phosphorylation site of tyrosine 474 (F-S-YP-S-A).
All Sites	Human: Tyr474 Mouse: Tyr474 Rat: Tyr474
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human ovary tissue using Akt (Phospho-Tyr474) antibody. Western blot analysis of extracts from COS7 cells, treated with UV (15mins), using Akt (Phospho-Tyr474) antibody.

ADDITIONAL INFORMATION

References	Kirsten H. Limesand, Mol. Cell. Biol., Dec 2006; 26: 8840-8856. Brian T. O'Neill, J. Clin. Invest., Aug 2005; 115: 2059-2064. Zhong-Zhou Yang, J. Biol. Chem., Aug 2003; 278: 32124-32131.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62241013
NCBI GeneID	207
NCBI Accession #	NP_001014431.1
NCBI GenBank Nucleotide #	NM_001014431.1
UniProt Accession #	P31749; Q9BWB6; B2RAM5; B7Z5R1
Molecular Weight	48,347 Da
NCBI Official Full Name	RAC-alpha serine/threonine-protein kinase
NCBI Official Synonym Full Names	AKT serine/threonine kinase 1
NCBI Official Symbol	AKT1
NCBI Official Synonym Symbols	AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
NCBI Protein Information	RAC-alpha serine/threonine-protein kinase
UniProt Protein Name	RAC-alpha serine/threonine-protein kinase
UniProt Gene Name	AKT1
UniProt Synonym Gene Names	PKB; RAC; PKB; PKB alpha

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/akt/267466>