



Akt (Phospho-Tyr474) Antibody

E11-0607A

Catalog Number: E11-0607A

Concentration: 1mg/ml

Swiss-Prot No.: P31749

Other Names: 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

All Sites: Human: Tyr474; Mouse: Tyr474; Rat: Tyr474

Storage/Stability: Store at -20 °C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human Akt around the phosphorylation site of tyrosine 474 (F-S-Y^P-S-A).

Purification: The antibody was 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.

Specificity: Akt (Phospho-Tyr474) antibody detects endogenous levels of Akt only when phosphorylated at tyrosine 474.

Reactivity: Human, Mouse, Rat

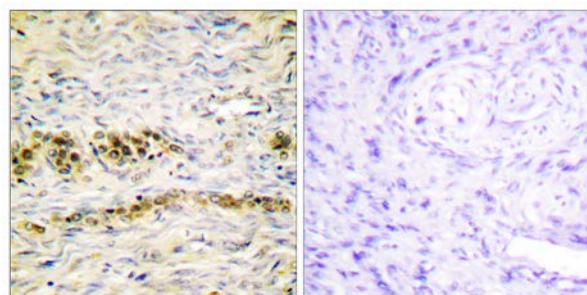
Applications: WB: 1:500~1:1000 IHC: 1:50~1:100
ELISA: 1:5000

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.

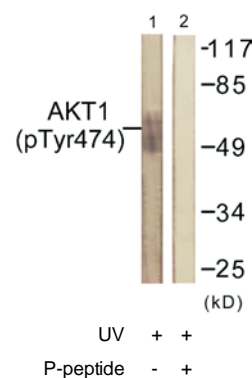


P-peptide

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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.

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