

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 Mg²⁺ and Ca²⁺), 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

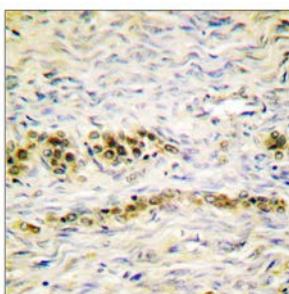
Applications: WB: 1:500~1:1000 IHC: 1:50~1:100
ELISA: 1:5000

References:

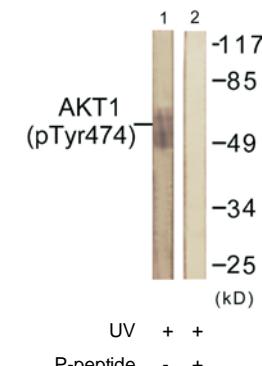
Kirsten H. Limesand, Mol. Cell. Biol., Dec 2006; 26: 8840 - 8856.

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 - +
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.