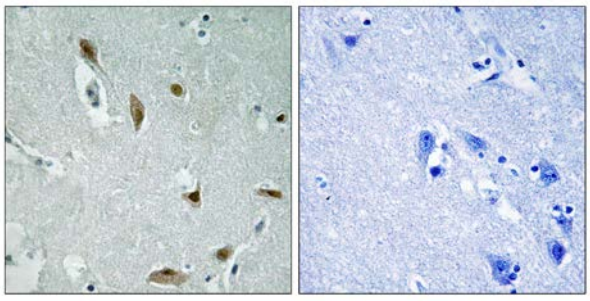
AKT1/3 (Phospho-Tyr437/434) Antibody

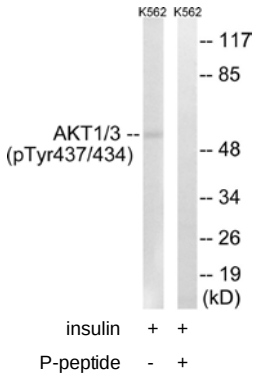
E11-8076A

Catalog Number: E11-8076A
Concentration: 1mg/ml
Swiss-Prot No.: P31749/Q9Y243
Other Names: EC 2.7.11.1; RAC-PK-alpha; Protein kinase B; PKB; C-AKT
All Sites: Human: Tyr437/434; Mouse: Tyr437/434; Rat: Tyr437/434
Storage/Stability: Store at -20℃/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 AKT1/3 around the phosphorylation site of tyrosine 437 (T-R-Y^{P}-F-D).
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: AKT1/3 (Phospho-Tyr437/434) antibody detects endogenous levels of AKT1/3 only when phosphorylated at tyrosine 437.
Reactivity: Human (Identities = 100%, Positives = 100%); Mouse (Identities = 100%, Positives = 100%); Rat (Identities = 100%, Positives = 100%)
Applications: WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:20000
References:

Jones P.F., Proc. Natl. Acad. Sci. U.S.A. 88:4171-4175(1991).
Matsubara A., Diabetologia 44:910-913(2001).
Coffer P.J., Eur. J. Biochem. 201:475-481(1991).



Immunohistochemistry analysis of paraffin-embedded human brain tissue using AKT1/3 (Phospho-Tyr437/434) antibody.



Western blot analysis of extracts from K562 cells, treated with insulin (0.01U/ml, 15mins), using AKT1/3 (Phospho-Tyr437/434) antibody.

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