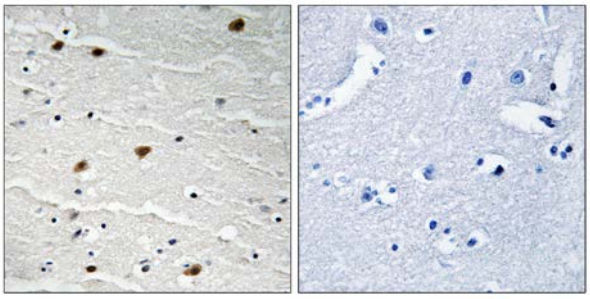
AKT1/2/3(Phospho-Tyr315/316/312)Antibody

E11-8075A

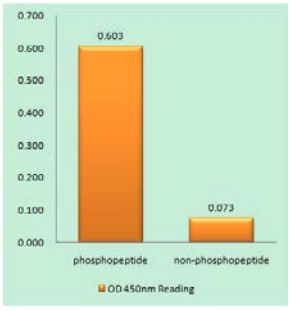
Catalog Number: E11-8075A
Concentration: 1mg/ml
Swiss-Prot No.: P31749/P31751/Q9Y243
Other Names: AKT; AKT1 kinase; C-AKT; EC 2.7.11.1; kinase Akt1; PKB; PKB-alpha; Protein kinase B; RAC; RAC-alpha serine/threonine kinase; RAC-PK-alpha
All Sites: Human: Tyr315/316/312; Mouse: Tyr315/316/312; Rat: Tyr315/316/312
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 AKT1/2/3 around the phosphorylation site of tyrosine 315/316/312 (P-E-Y^P-L-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: AKT1/2/3 (Phospho-Tyr315/316/312) antibody detects endogenous levels of AKT1/2/3 only when phosphorylated at tyrosine 315/316/312.
Reactivity: Human (Identities = 100%, Positives = 100%); Mouse (Identities = 100%, Positives = 100%); Rat (Identities = 100%, Positives = 100%)
Applications: 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).
The MGC Project Team, Genome Res. 14:2121-2127(2004).



P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using AKT1/2/3 (Phospho-Tyr315/316/312) antibody.



AKT1/2/3 (Phospho-Tyr315/316/312) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nM are shown in the ELISA figure.

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