



PKC-pan (Phospho-Thr497) Antibody

E11-0803A

Catalog Number: E11-0803A

Concentration: 1mg/ml

Swiss-Prot No.: P17252/P05771/Q05655/Q02156/
P05129/P24723/Q04759/Q05513

Other Names: EC 2.7.11.13, KPCA, PKC III, PKC-A, PKC-III, PKC-alpha, PRKACA, PRKCA, Protein kinase C, alpha type, kinase PKC-alpha; PKC-delta, PRKCD, kinase PKC-delta, nPKC-delta; PKC-epsilon, PKCEA, PRKCE, epsilon type, kinase PKC-epsilon, nPKC-epsilon

All Sites: Human: Thr497; Mouse: Thr497; Rat: Thr497

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 PKC-pan around the phosphorylation site of threonine 497 (T-S-T^P-F-C).

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: PKC-pan (Phospho-Thr497) antibody detects endogenous levels of PKC-pan only when phosphorylated at threonine 497.

Reactivity: Human, Mouse, Rat

Applications: WB: 1:500~1:1000 IHC: 1:50~1:100
IF: 1:100~1:500 ELISA: 1:40000

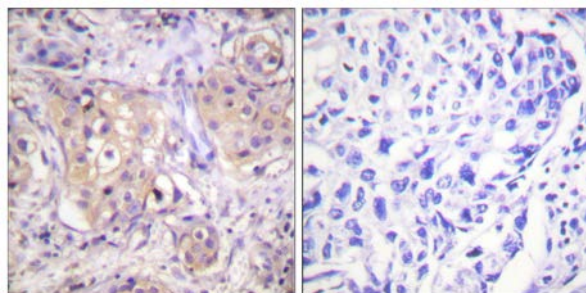
References:

Gevaert K., Nat. Biotechnol. 21:566-569(2003).

Wissing J., Mol. Cell. Proteomics 6:537-547(2007).

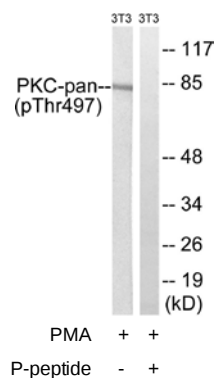
Beausoleil S.A., Proc. Natl. Acad. Sci. U.S.A. 101:12130-12135(2004).

Hillier L.W., Nature 434:724-731(2005).



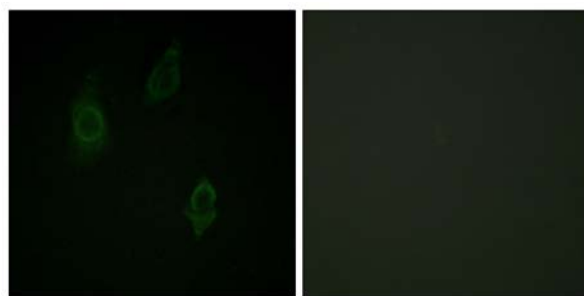
P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using PKC-pan (Phospho-Thr497) antibody.



Western blot analysis of extracts from NIH/3T3 cells, treated with PMA (250ng/ml, 15mins), using PKC-pan (Phospho-Thr497) antibody.

For Research Use Only



P-peptide

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Immunofluorescence analysis of HepG2 cells, using
PKC-pan (Phospho-Thr497) antibody.