PKCδ (Phospho-Ser645) Antibody

#11296

Catalog Number: 11296-1, 11296-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. :Q05655

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.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human PKC δ around the phosphorylation site of serine 645 (R-L-S^{P}-Y-S).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatogramphy using non-phosphopeptide corresponding to the phosphorylation site.

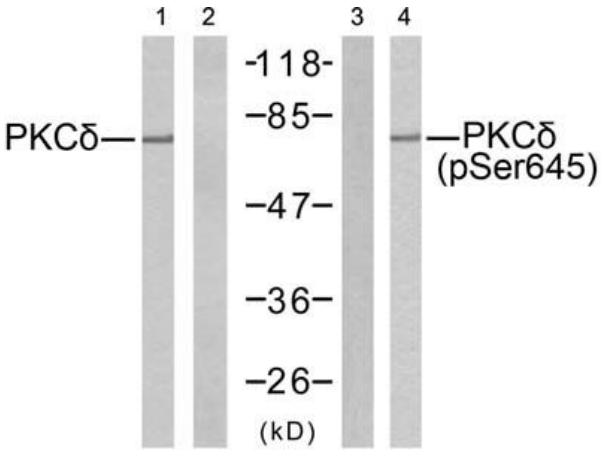
Specificity/Sensitivity:PKC δ (phospho-Ser645) antibody detects endogenous levels of PKC δ only when phosphorylated at serine 645

Reactivity: Human,Mouse,Rat

Applications:

Predicted MW: 78 kd

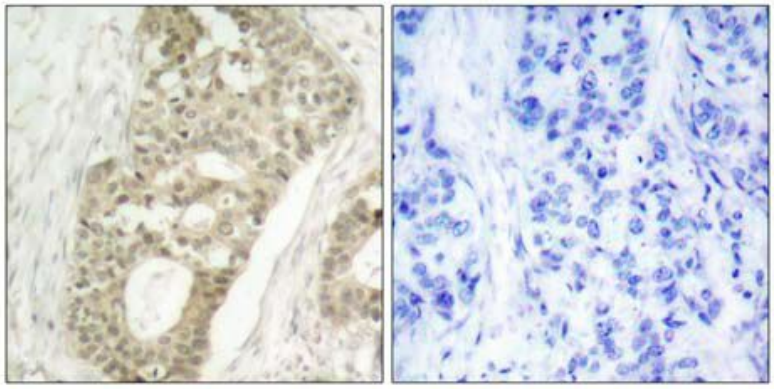
WB: 1:500~1:1000 IHC 1:50~1:200



Peptide − + − −

P-Peptide - - + -

Western blot analysis of extracts from MCF7 cells using PKC δ (Ab-645) antibody (#21288, Line 1 and 2) and PKC δ (phospho-Ser645) antibody (#11296, Line 3 and 4).



P-Peptide － +

Immunohistochemical analysis of paraffin-embeddedhuman breast carcinoma tissue, using PKC δ (phospho-Ser645) antibody (#11296,).

Background :

This is calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters. May play a role in antigen-dependent control of B-cell function. Phosphorylates MUC1 in the C-terminal and regulates the interaction between MUC1 and beta-catenin

References：

Kei Sakamoto, et,al. (2003) Am J Physiol Endocrinol Metab ; 285: E1081 - E1088.

Ling Zhang, et,al. (2004) J. Biol. Chem ; 279: 28315 - 28319.

Kristof Van Kolen et,al. (2006) FEBS J ; 273: 1843 - 1854.

Martin Villalba, et,al. (2002) J. Cell Biol ; 157: 253.