PKCδ(Ab-645) Antibody

#21288

Catalog Number: 21288-1, 21288-2

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 non-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 immunogen
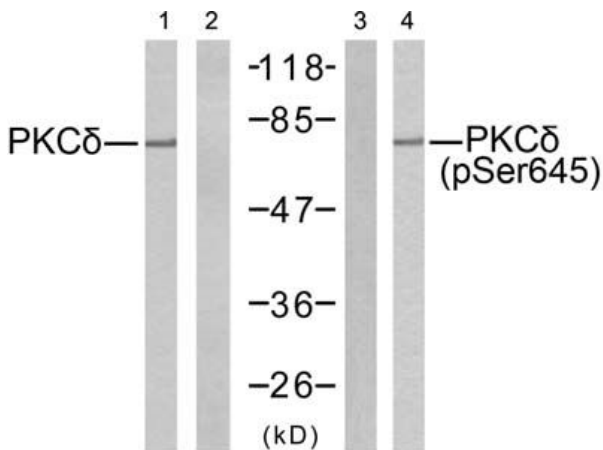
Specificity/Sensitivity:PKCδ (Ab-645) antibody detects endogenous levels of total PKCδ protein.

Reactivity: Human,Mouse,Rat

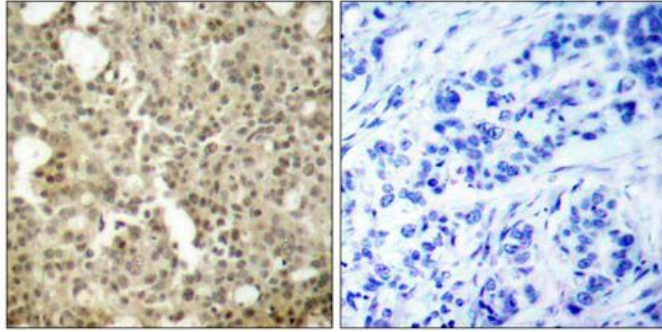**Applications:**

Predicted MW: 78 kd

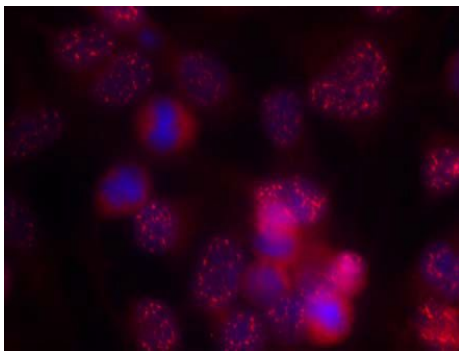WB: 1:500~1:1000   IHC 1:50~1:200   IF:1:100~1:200

| 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).

Peptide — +

Immunohistochemical analysis of paraffin-embeddedhuman breast carcinoma tissue, using PKCδ (Ab-645) antibody (#21288,).

Immunofluorescence staining of methanol-fixed HeLa cells using PKCδ (Ab-645) antibody (#21288,Red)

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.