

PKCd(Ab-645) Antibody

Catalog No: #21288

Package Size: #21288-1 50ul #21288-2 100ul

Description

Product Name	PKCd(Ab-645) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PKCd protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 643~647 (R-L-S-Y-S) derived from Human PKCd.
Conjugates	Unconjugated
Target Name	PKCd
Other Names	nPKC-delta
Accession No.	Swiss-Prot: Q05655NCBI Protein: NP_006245.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

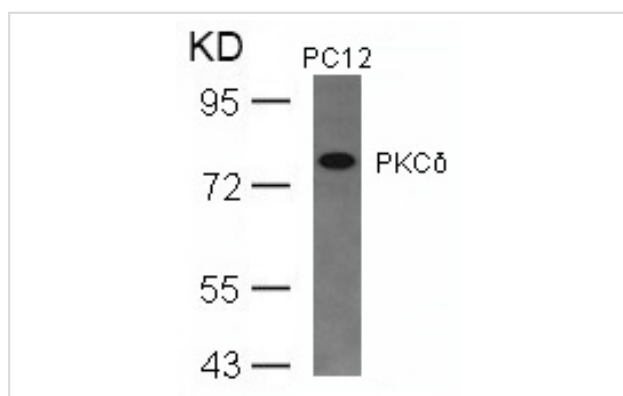
Predicted MW: 78kd

Western blotting: 1:500~1:1000

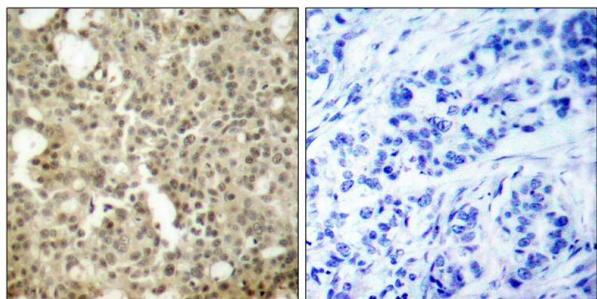
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

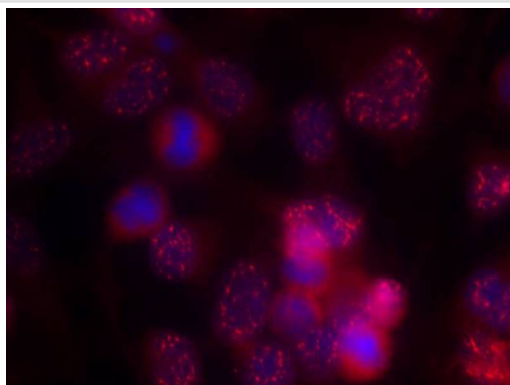
Images



Western blot analysis of extracts from PC12 cells using PKCd(Ab-645) Antibody #21288.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PKCd(Ab-645) Antibody #21288(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using PKCd(Ab-645) Antibody #21288.

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.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.