PKCd(Ab-645) Antibody

Catalog No: #21288

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



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

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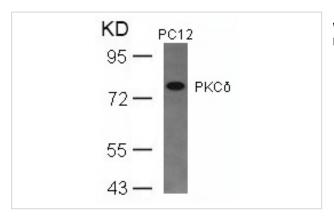
Product Name	PKCd(Ab-645) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were
	purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	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.
Target Name	PKCd
Other Names	nPKC-delta
Accession No.	Swiss-Prot: Q05655NCBI Protein: NP_006245.2
Uniprot	Q05655
GeneID	5580;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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

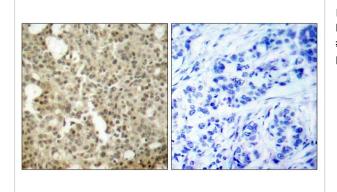
Predicted MW: 78kd

Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100
Immunofluorescence: 1:100~1:200

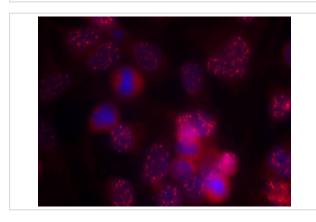
Images



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