

35-1618: Polyclonal Antibody to PKC Delta (Ab-645)

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| Clonality : | Polyclonal |
| Application : | WB,IHC,IF |
| Reactivity : | Human |
| Gene : | PRKCD |
| Gene ID : | 5580 |
| Uniprot ID : | Q05655 |
| Format : | Purified |
| Alternative Name : | nPKC-delta |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Peptide sequence around aa. 643~647 (R-L-S-Y-S) derived from Human PKCd. |

Description

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.

Product Info

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| Amount : | 50 μ l / 100 μ l |
| Content : | 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 condition : | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Predicted MW: 78kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

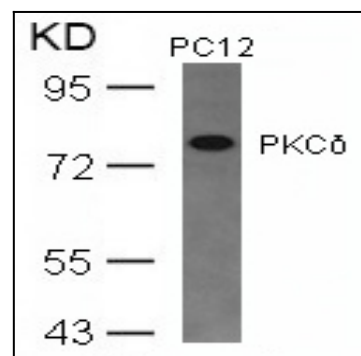


Figure 1: Western blot analysis of extracts from PC12 cells using PKCd(Ab-645) Antibody 35-1618 .

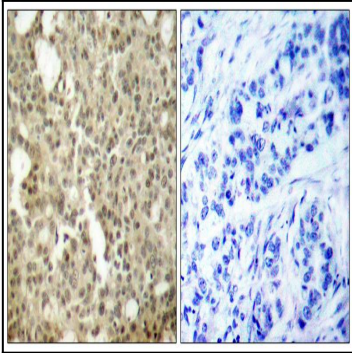


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PKCd(Ab-645) Antibody 35-1618 (left) or the same antibody preincubated with blocking peptide(right).

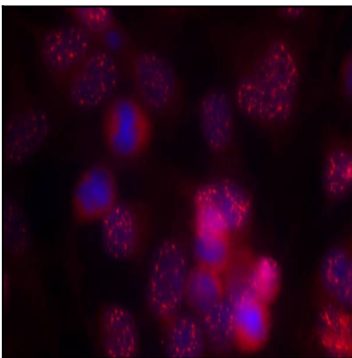


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using PKCd(Ab-645) Antibody 35-1618 .