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35-1004: Polyclonal Antibody to PDK1 (Phospho-Ser241)

Clonality : Polyclonal **Application :** WB,IHC,IF

Reactivity: Human, Mouse, Rat

Gene : PDPK1
Gene ID : 5170
Uniprot ID : 015530
Format : Purified

Alternative Name: PDPK1, PkB kinase, Protein kinase B kinase, hPDK1, kinase PDK1

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of serine 241 (A-N-S(p)-F-V) derived from

Human PDK1.

Description

Phosphorylates and activates not only PKB/AKT, but also PKA, PKC-zeta, RPS6KA1 and RPS6KB1. May play a general role in signaling processes and in development.

Product Info

Amount : 50 μl / 100 μl

Content: 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 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: 63kd, Western blotting: $1:500\sim1:1000$, Immunohistochemistry: $1:50\sim1:100$, Immunofluorescence: $1:100\sim1:200$

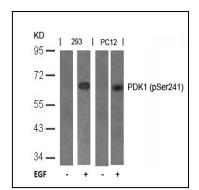


Figure 1: Western blot analysis of extracts from 293 and PC12 cells untreated or treated with EGF using PDK1(Phospho-Ser241) Antibody 35-1004.



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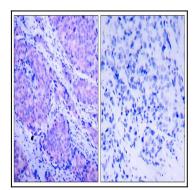


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PDK1(Phospho-Ser241) Antibody 35-1004 (left) or the same antibody preincubated with blocking peptide(right).

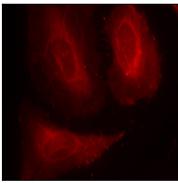


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using PDK1(Phospho-Ser241) Antibody 35-1004.