

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 :	O15530
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 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: 63kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

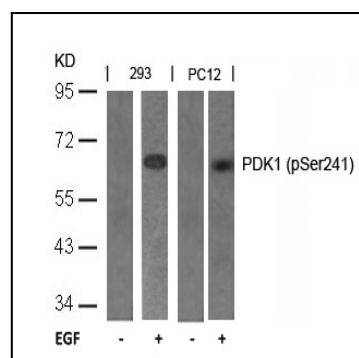


Figure 1: Western blot analysis of extracts from 293 and PC12 cells untreated or treated with EGF using PDK1(Phospho-Ser241) Antibody 35-1004 .

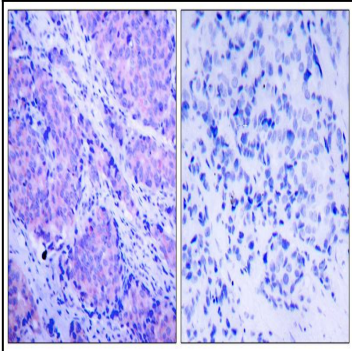


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PDK1(Phospho-Ser241) Antibody 35-1004 (left) or the same antibody preincubated with blocking peptide(right).

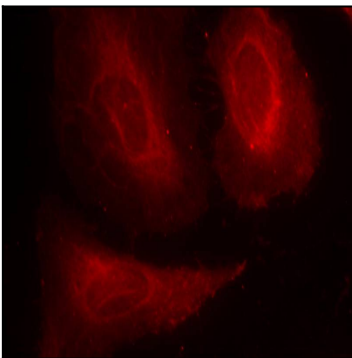


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using PDK1(Phospho-Ser241) Antibody 35-1004 .