# PDK1(Phospho-Ser241) Antibody

Catalog No: #11005



Package Size: #11005-1 50ul #11005-2 100ul #11005-4 25ul

#### Overview

Product Name	PDK1(Phospho-Ser241) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	PDK1
Modification	Phospho-Ser241
Alternative Names	PDPK1; PkB kinase; Protein kinase B kinase; hPDK1; kinase PDK1

## **Application Details**

Predicted MW: 63kd	
Western blotting: 1:500~1:1000	
Immunohistochemistry: 1:50~1:100	
Immunofluorescence: 1:100~1:200	

# Images



Western blot analysis of extracts from 293 and PC12 cells untreated or treated with EGF using PDK1(Phospho-Ser241) Antibody #11005.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PDK1(Phospho-Ser241) Antibody #11005(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using PDK1(Phospho-Ser241) Antibody #11005.

Peptide sequence around phosphorylation site of serine 241 (A-N-S(p)-F-V) derived from Human PDK1.
The antibody detects endogenous level of PDK1 only when phosphorylated at serine 241.
Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho
specific antibodies were removed by chromatogramphy using non-phosphopeptide.
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.
Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Swiss-Prot: O15530NCBI Protein: NP_002604.1

### Related Information

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.

Scheid MP,et al. (2005)Mol Cell Biol; 25(6): 2347-63 Chen H, et al. (2001) Biochemistry; 40(39): 11851-9 Sato S,et al. (2002) J Biol Chem; 277(42): 39360-7 Lim MA, et al.(2003)Proc Natl Acad Sci U S A; 100(24): 14006-11

### **Published Papers**

Dan Liu, Yi Huang, Bojiang Chen el at., Activation of Mammalian Target of Rapamycin Pathway Confers Adverse Outcome in Nonsmall Cell Lung Carcinoma., Cancer, 117(16):3763-3773(2011) PMID:21387259

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