

PDK1(Ab-241) Antibody

Catalog No: #21005



Package Size: #21005-1 50ul #21005-2 100ul #21005-4 25ul

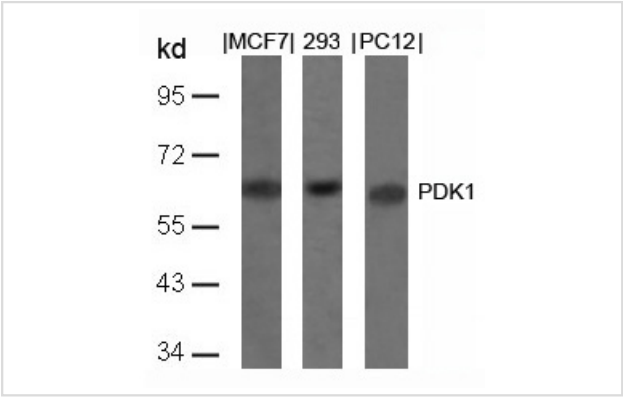
Overview

Product Name	PDK1(Ab-241) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	PDK1
Alternative Names	PDPK1, PkB kinase, Protein kinase B kinase, hPDK1, kinase PDK1

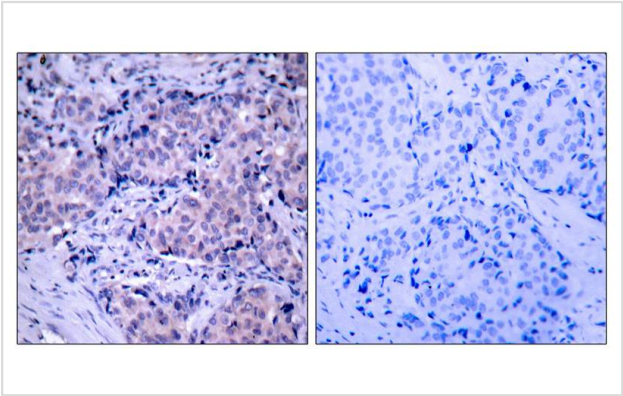
Application Details

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

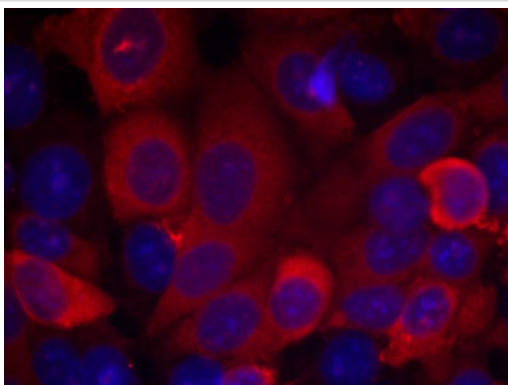
Images



Western blot analysis of extracts from MCF, 293 and PC12 cells using PDK1(Ab-241) Antibody #21005.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PDK1(Ab-241) Antibody #21005(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF7 cells using PDK1(Ab-241) Antibody #21005.

## Descriptions

Immunogen	Peptide sequence around aa.239~243 (A-N-S-F-V) derived from Human PDK1.
Specificity	The antibody detects endogenous level of total PDK1 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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.
Accession NO.	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

Beausoleil SA, et al. (2004)Proc Natl Acad Sci U S A; 101(33): 12130-5

## Published Papers

Yongheng Cao, Masanori Nakata, Shiki Okamoto et al., PDK1-Foxo1 in Agouti-Related Peptide Neurons Regulates Energy Homeostasis by Modulating Food Intake and Energy Expenditure, PLoS One., 6(4):e18324(2011)

[PMID:21694754](https://pubmed.ncbi.nlm.nih.gov/21694754/)

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