

PDK1(Phospho-Ser241) Antibody

Catalog No: #11005



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

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Description

Product Name	PDK1(Phospho-Ser241) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	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 chromatography using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of PDK1 only when phosphorylated at serine 241.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 241 (A-N-S(p)-F-V) derived from Human PDK1.
Target Name	PDK1
Modification	Phospho
Other Names	PDPK1; PkB kinase; Protein kinase B kinase; hPDK1; kinase PDK1
Accession No.	Swiss-Prot: O15530NCBI Protein: NP_002604.1
Uniprot	O15530
GeneID	5170;
Concentration	1.0mg/ml
Formulation	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	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

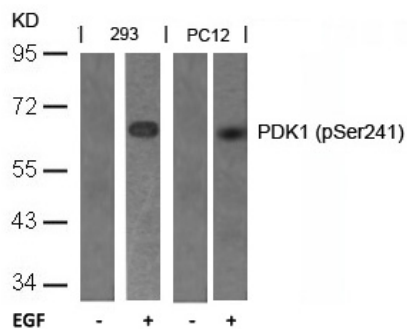
Predicted MW: 63kd

Western blotting: 1:500~1:1000

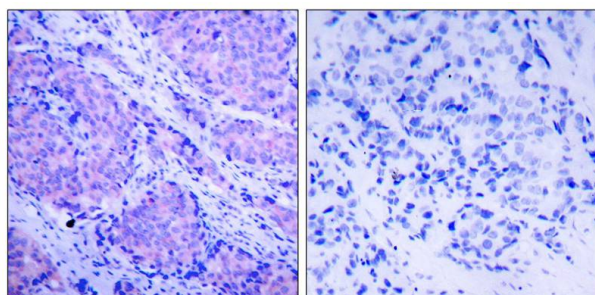
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

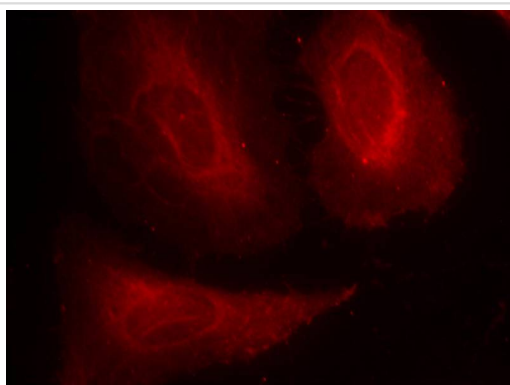
Images



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.

Background

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

Note: This product is for in vitro research use only