

#3062 Store at -20°C

PDK1 Antibody


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TECHNOLOGY®

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 58 to 68	Source: Rabbit	UniProt ID: #O15530	Entrez-Gene Id: 5170
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Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	PDK1 Antibody detects endogenous levels of total PDK1 protein.	
Species predicted to react based on 100% sequence homology:	Chicken	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding the carboxy terminus of human PDK1. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Phosphoinositide-dependent protein kinase 1 (PDK1) plays a central role in many signal transduction pathways (1,2) including the activation of Akt and the PKC isoenzymes p70 S6 kinase and RSK (3). Through its effects on these kinases, PDK1 is involved in the regulation of a wide variety of processes, including cell proliferation, differentiation and apoptosis.	
Background References	1. Belham, C. et al. (1999) <i>Curr. Biol.</i> 9, R93-R96. 2. Toker, A. and Newton, A.C. (2000) <i>Cell</i> 103, 185-188. 3. Williams, M.R. et al. (2000) <i>Curr. Biol.</i> 10, 439-448.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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