

Phospho-PDK1 (Ser241) Antibody



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Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 58-68	Source/Isotype: Rabbit	UniProt ID: #O15530	Entrez-Gene Id: 5170
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-PDK1 (Ser241) Antibody detects PDK1 only when phosphorylated at Ser241.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser241 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.				
		unstimulated human	embryo kidney 293	3/396 and Ser410) are p cells, as well as IGF-1 st norylation is necessary f	imulated cells (4). P	hosphorylation on
Background References		 Belham, C. et al. (1999) Curr. Biol. 9, R93-R96. Toker, A. and Newton, A.C. (2000) Cell 103, 185-188. Williams, M.R. et al. (2000) Curr. Biol. 10, 439-448. Casamayor, A. et al. (1999) Biochem J 342 (Pt 2), 287-92. 				
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed 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		W: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human M: Mouse F	R: Rat			
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