

PDK1 Polyclonal Antibody

Catalog NumberPA5-34729

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunoprecipitation (IP)	Dilution *
Type	Antibody	Western Blot (WB)	Assay-Dependent
Immunogen	Recombinant protein fragment contains a sequence corresponding to a region within amino acids 1 and 200 of PDK1	Immunocytochemistry (ICC/IF)	1:500-1:3,000
			1:100-1:1,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

PA5-34729 targets PDK1 in ICC, IF, and WB applications and shows reactivity with Human and Mouse samples. The PA5-34729 immunogen is recombinant protein fragment contains a sequence corresponding to a region within amino acids 1 and 200 of PDK1.

Background/Target Information

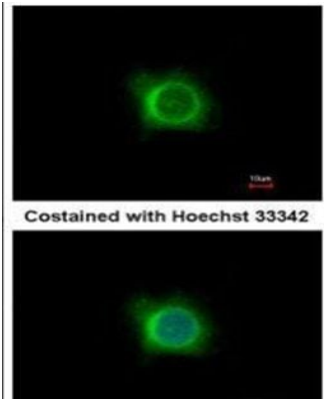
Serine/threonine kinase that plays a key role in regulation of glucose and fatty acid metabolism and homeostasis via phosphorylation of the pyruvate dehydrogenase subunits PDHA1 and PDHA2. This inhibits pyruvate dehydrogenase activity, and thereby regulates metabolite flux through the tricarboxylic acid cycle, down-regulates aerobic respiration and inhibits the formation of acetyl-coenzyme A from pyruvate. Plays an important role in cellular responses to hypoxia and is important for cell proliferation under hypoxia. Protects cells against apoptosis in response to hypoxia and oxidative stress.

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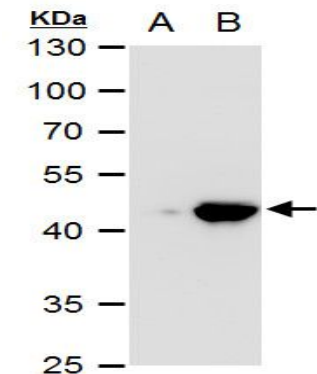
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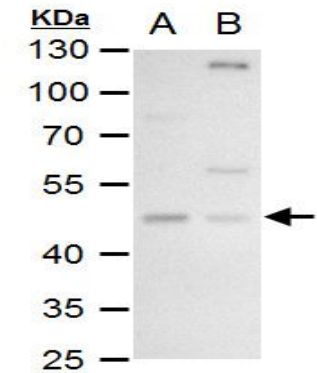
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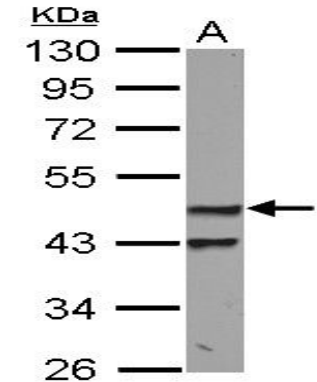
PDK1 Antibody (PA5-34729) in ICC/IF
Immunofluorescent analysis of PDK1 in methanol-fixed HeLa cells using a PDK1 polyclonal antibody (Product # PA5-34729) at a 1:500 dilution.



PDK1 Antibody (PA5-34729) in WB
Western blot analysis of PDK1 using A) 30 µg 293T whole cell extract and B) 30 µg whole cell extract of human PDK1 transfected 293T cells. Samples were loaded onto a 10% SDS-PAGE gel and probed with a PDK1 polyclonal antibody (Product # PA5-34729) at a dilution of 1:10000.



PDK1 Antibody (PA5-34729) in WB
Western blot analysis of PDK1 using A) 30 µg 293T whole cell extract and B) 30 µg A431 whole cell extract. Samples were loaded onto a 10% SDS-PAGE gel and probed with a PDK1 polyclonal antibody (Product # PA5-34729) at a dilution of 1:1000.



PDK1 Antibody (PA5-34729) in WB
Western blot analysis of PDK1 using 50µg of mouse heart lysate. Samples were loaded onto a 10% SDS-PAGE gel and probed with a PDK1 polyclonal antibody (Product # PA5-34729) at a dilution of 1:1000.

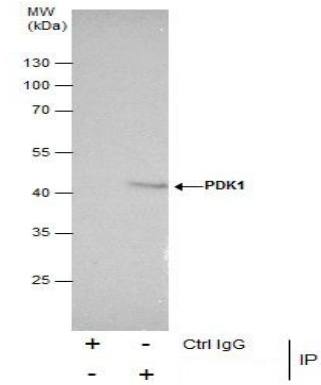
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PKD1 Antibody (PA5-34729) in IP

Immunoprecipitation and Western blot of PKD1 protein from 293T whole cell extracts using 5 µg of PKD1 antibody (Product # PA5-34729).



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