

PDK4 Polyclonal Antibody

Catalog NumberPA5-13778

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 83-111 amino acids from the central region of human PDK4	Immunocytochemistry (ICC/IF)	1:10-1:50
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	2.0 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

PDK4 is a mitochondrial protein with a histidine kinase domain that is a member of the PDK/BCKDK protein kinase family. This protein is located in the matrix of the mitochondria and it's expression is regulated by glucocorticoids, retinoic acid and insulin. PDK4 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

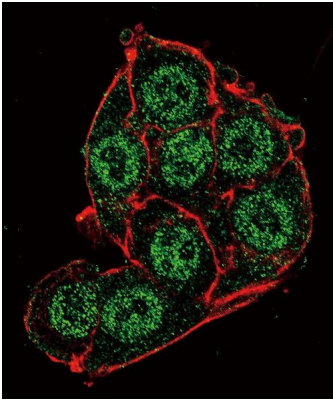
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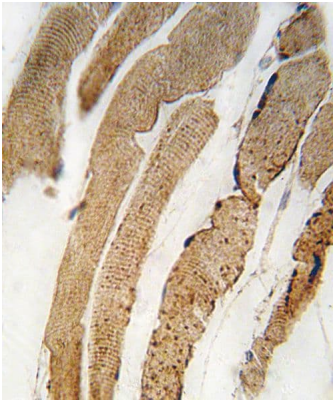
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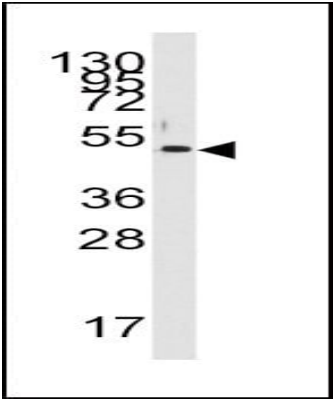
Product Images For PDK4 Polyclonal Antibody



PDK4 Antibody (PA5-13778) in ICC/IF
Immunofluorescent analysis of HeLa cells using a PDK4 polyclonal antibody (Product # PA5-13778) at a dilution of 1:10-50. Primary antibody was detected with goat anti-rabbit IgG, fluor-conjugated secondary antibody (green). Actin filaments have been labeled with red dye conjugated phalloidin.



PDK4 Antibody (PA5-13778) in IHC
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human skeletal muscle tissue using a PDK4 polyclonal antibody (Product # PA5-13778), followed by HRP-conjugated secondary antibody and DAB staining.



PDK4 Antibody (PA5-13778) in WB
Western blot analysis using a PDK4 polyclonal antibody (Product # PA5-13778) in HL-60 cell lysates (35 µg per lane).

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