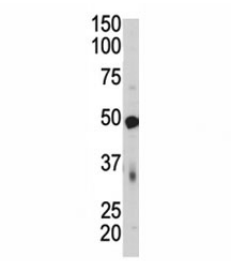
PDK4 Antibody (F50055)

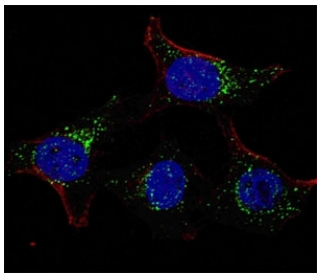
Catalog No.	Formulation	Size
F50055-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F50055-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

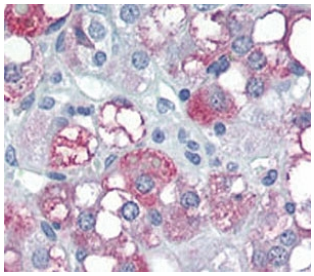
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q16654
Localization	Cytoplasmic
Applications	Immunofluorescence: 1:100 Western blot: 1:1000 IHC (Paraffin): 1:10-1:50
Limitations	This PDK4 antibody is available for research use only.



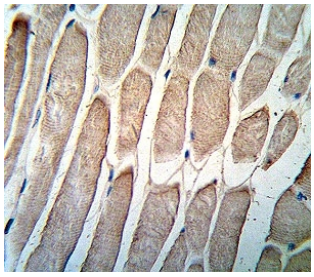
Western blot of PDK4 antibody and mouse skeletal muscle tissue lysate. Predicted molecular weight ~46 kDa



Fluorescent confocal image of HeLa cells stained with PDK4 antibody. For secondary Ab, Alexa Fluor 488 conjugated donkey anti-rabbit Ab (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). PDK4 is localized to the cytoplasm.



IHC analysis of FFPE human adrenal tissue stained with PDK4 antibody



IHC analysis of FFPE human skeletal muscle stained with PDK4 antibody

Description

PDK4 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

Application Notes

Titration of the PDK4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 382-410 from the human protein was used as the immunogen for this PDK4 antibody.

Storage

Aliquot the PDK4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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