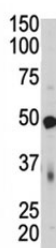


## PDK4 Antibody (F50055)

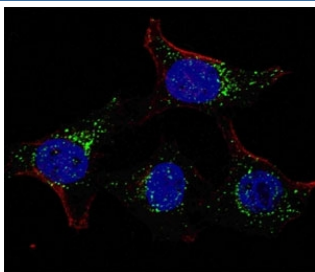
Catalog No.	Formulation	Size
F50055-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F50055-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

[Bulk quote request](#)

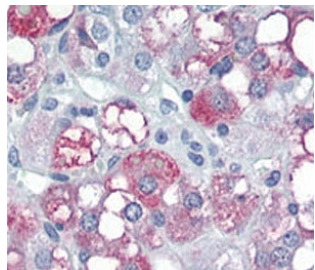
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	Q16654
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunofluorescence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



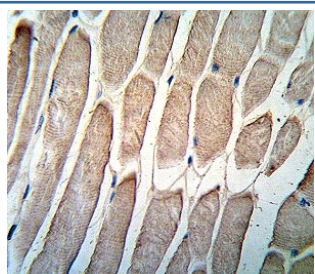
Western blot of PDK4 antibody and mouse skeletal muscle tissue lysate. Predicted molecular weight ~46 kDa



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 -20°C or colder. Avoid repeated freeze-thaw cycles.