

## PDK4 Antibody (F50055)

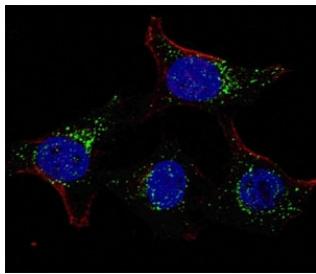
| Catalog No.   | Formulation                                | Size    |
|---------------|--|---------|
| F50055-0.2ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.2 ml  |
| F50055-0.05ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.05 ml |

**Bulk quote request**

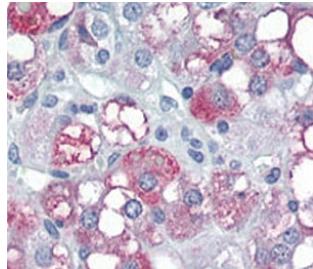
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human, Mouse  |
| <b>Format</b>             | Purified  |
| <b>Host</b>               | Rabbit  |
| <b>Clonality</b>          | Polyclonal (rabbit origin)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



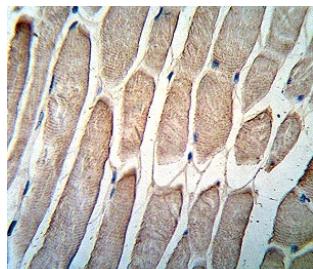
Western blot of PDK4 antibody and mouse skeletal muscle tissue lysate. Predicted molecular weight ~46 kDa



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 -20oC or colder. Avoid repeated freeze-thaw cycles.