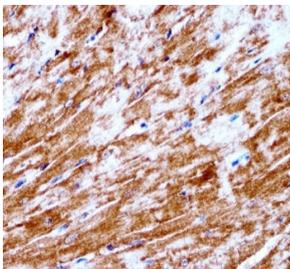


## Pyruvate dehydrogenase kinase 2 Antibody / PDK2 (F54683)

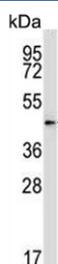
Catalog No.	Formulation	Size
F54683-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54683-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[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>	Antigen affinity purified
<b>UniProt</b>	Q9JK42
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
<b>Limitations</b>	This Pyruvate dehydrogenase kinase 2 antibody is available for research use only.



IHC testing of FFPE mouse heart tissue with Pyruvate dehydrogenase kinase 2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human HepG2 cell lysate with Pyruvate dehydrogenase kinase 2 antibody. Predicted molecular weight ~46 kDa.

kDa  
95  
72  
55  
36  
28  
17

Western blot testing of mouse heart cell lysate with Pyruvate dehydrogenase kinase 2 antibody. Predicted molecular weight ~46 kDa.

kDa  
72  
55  
36  
28  
(-) (+)

Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Pyruvate dehydrogenase kinase 2 antibody. Predicted molecular weight ~46 kDa.

## Description

Pdk2 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Pyruvate dehydrogenase kinase 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 78-107 from the mouse protein was used as the immunogen for the Pyruvate dehydrogenase kinase 2 antibody.

## Storage

Aliquot the Pyruvate dehydrogenase kinase 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.