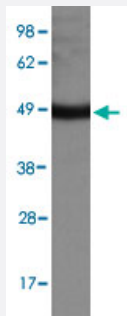


# PDK4 polyclonal antibody

Catalog # PAB15512      Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western blot of human heart tissue lysate with PDK4 polyclonal antibody (Cat # PAB15512).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of PDK4.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 100-150 of human PDK4.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Bovine, Human, Mouse, Rat
<b>Specificity</b>	Immunogen has 100% homology with mouse and bovine, 94% homology with rat. This antibody is useful for Western blot, where a band is seen ~49 KDa.
<b>Form</b>	Liquid
<b>Recommend Usage</b>	Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (30% glycerol, 0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot of human heart tissue lysate with PDK4 polyclonal antibody (Cat # PAB15512).

## Gene Info — PDK4

Entrez GeneID	<a href="#">5166</a>
Protein Accession#	<a href="#">Q16654</a>
Gene Name	PDK4
Gene Alias	FLJ40832
Gene Description	pyruvate dehydrogenase kinase, isozyme 4
Omim ID	<a href="#">602527</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin. [provided by RefSeq]
Other Designations	pyruvate dehydrogenase kinase 4 pyruvate dehydrogenase kinase, isoenzyme 4

## Disease

- [Diabetes Mellitus](#)