

## PDK1 polyclonal antibody (Biotin)

Catalog # PAB15337      Size 100 uL

### Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PDK1.
Immunogen	A synthetic peptide corresponding to amino acids 300-400 of human PDK1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody reacts with human. No other species have been tested. The immunogen used for this antibody production has 100% homology with mouse, rat, and monkey PDK1 protein. This is specific to PDK1. By Western blot a band is seen at ~49 KDa, representing PDK1 protein. There are also two higher and one lower non-specific molecular weight bands.
Form	Liquid
Conjugation	Biotin
Recommend Usage	Western Blot (0.5-2.0 ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at 4°C. Do not freeze.

### Applications

- Western Blot

### Gene Info — PDK1

Entrez GeneID	<a href="#">5163</a>
Protein Accession#	<a href="#">Q15118</a>

Gene Name	PDK1
Gene Alias	-
Gene Description	pyruvate dehydrogenase kinase, isozyme 1
Omim ID	<a href="#">602524</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation. [provided by RefSeq]
Other Designations	mitochondrial pyruvate dehydrogenase kinase isoenzyme 1 pyruvate dehydrogenase kinase, isoenzyme 1

## Pathway

- [Fc epsilon RI signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)