

PDK1 rabbit monoclonal antibody

Catalog # H00005163-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PDK1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PDK1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PDK1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PDK1

Entrez GeneID	5163
GeneBank Accession#	PDK1
Gene Name	PDK1
Gene Alias	-
Gene Description	pyruvate dehydrogenase kinase, isozyme 1
Omim ID	602524
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
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](#)