

RecomAb™

PDK1 recombinant monoclonal antibody, clone R02-9K3

Catalog # RAB06420 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat PDK1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against protein corresponding to full length human PDK1.
Theoretical MW (kDa)	Calculated MW: 49 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunofluorescence

- Immunoprecipitation

Gene Info — PDK1

Entrez GeneID [5163](#)

Protein Accession# [Q15118](#)

Gene Name PDK1

Gene Alias -

Gene Description pyruvate dehydrogenase kinase, isozyme 1

Omim ID [602524](#)

Gene Ontology [Hyperlink](#)

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](#)