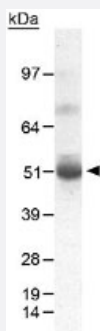


PDK1 polyclonal antibody

Catalog # PAB12078

Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of PDK1 in human heart lysate with PDK1 polyclonal antibody at 0.5 ug/mL (Cat # PAB12078).

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	Bovine, Chicken, Human, Mouse, Pig, Primates, Rat, Zebra fish
Specificity	This antibody is specific to PDK1.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-glycine, 150 mM NaCl (0.05% sodium azide)
Storage Instruction	Store at -20°C or -80°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 (Tissue lysate)

Western blot analysis of PDK1 in human heart lysate with PDK1 polyclonal antibody at 0.5 ug/mL (Cat # PAB12078).

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](#)