

Datasheet for ABIN7176880  
**anti-PDK3 antibody (AA 131-362)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	PDK3
Binding Specificity:	AA 131-362
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Recombinant Mouse [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial protein (131-362AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

## Target Details

Target:	PDK3
Alternative Name:	Pdk3 ( <a href="#">PDK3 Products</a> )
Background:	Background: Inhibits pyruvate dehydrogenase activity by phosphorylation of the E1 subunit

## Target Details

PDHA1, and thereby regulates glucose metabolism and aerobic respiration. Can also phosphorylate PDHA2. Decreases glucose utilization and increases fat metabolism in response to prolonged fasting, and as adaptation to a high-fat diet. Plays a role in glucose homeostasis and in maintaining normal blood glucose levels in function of nutrient levels and under starvation. Plays a role in the generation of reactive oxygen species (By similarity).

Aliases: Pdk3 antibody, [Pyruvate dehydrogenase antibody, acetyl-transferring)] kinase isozyme 3 antibody, mitochondrial antibody, EC 2.7.11.2 antibody, Pyruvate dehydrogenase kinase isoform 3 antibody

UniProt: [Q922H2](#)

Pathways: [PI3K-Akt Signaling](#), [Carbohydrate Homeostasis](#), [Regulation of Carbohydrate Metabolic Process](#), [Warburg Effect](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000,

Restrictions: For Research Use only

## Handling

Format: Liquid

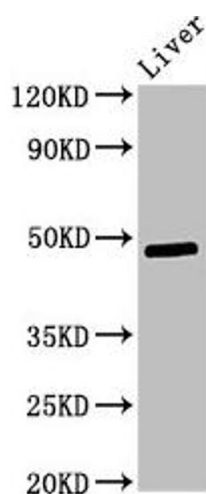
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

**Image 1.** Western Blot Positive WB detected in: Rat liver tissue All lanes: Pdk3 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 48 kDa Observed band size: 48 kDa