

PACO45551

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## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:1000-1:5000,  
IHC:1:20-1:200

**Protein Background:**

Inhibits pyruvate dehydrogenase activity by phosphorylation of the E1 subunit 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.

**Gene ID:**

PDK3

**Uniprot**

Q15120

**Synonyms:**

[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial (EC 2.7.11.2) (Pyruvate dehydrogenase kinase isoform 3), PDK3, PDHK3

**Immunogen:**

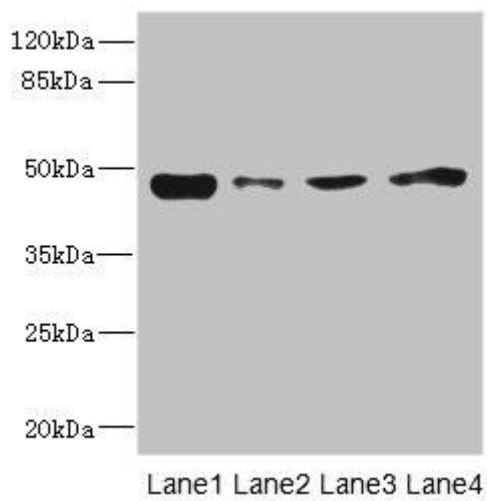
Recombinant Human [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial protein (137-406AA).

**Storage:**

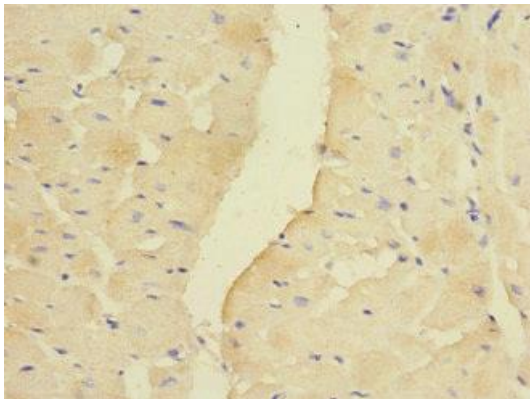
PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot. All lanes: PDK3 antibody at 1.6 $\mu$ g/ml. Lane 1: Mouse kidney tissue. Lane 2: RAW264.7 whole cell lysate. Lane 3: A431 whole cell lysate. Lane 4: HepG2 whole cell lysate. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 47, 49 kDa. Observed band size: 47 kDa.



Immunohistochemistry of paraffin-embedded human heart tissue using PACO45551 at dilution of 1:100.