

Datasheet for ABIN7176883
anti-PDK3 antibody (AA 131-362) (HRP)



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Overview

Quantity:	100 µg
Target:	PDK3
Binding Specificity:	AA 131-362
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK3 antibody is conjugated to HRP
Application:	ELISA

Product Details

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

Target Details

Target:	PDK3
Alternative Name:	Pdk3 (PDK3 Products)
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:	Optimal working dilution should be determined by the investigator.
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.