

Product Name: PDK4 Rabbit Monoclonal Antibody
Catalog #: AMRe86479



Summary

Production Name	PDK4 Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB, FC, IP
Reactivity	Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Immunogen

Gene Name	PDK4
Alternative Names	AV005916
Gene ID	27273
SwissProt ID	O70571.

Application

Dilution Ratio	WB: 1:1000 FC: 1:50-1:100 IP: 1:20-1:50
Molecular Weight	Calculated MW:47 kDa; Observed MW:47 kDa

Background

Kinase that plays a key role in regulation of glucose and fatty acid metabolism and homeostasis via phosphorylation of the

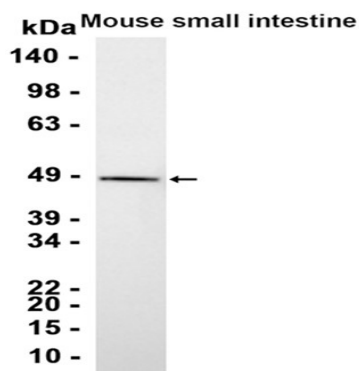
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pyruvate dehydrogenase subunits PDHA1 and PDHA2. This inhibits pyruvate dehydrogenase activity, and thereby regulates metabolite flux through the tricarboxylic acid cycle, down-regulates aerobic respiration and inhibits the formation of acetyl-coenzyme A from pyruvate. Inhibition of pyruvate dehydrogenase decreases glucose utilization and increases fat metabolism in response to prolonged fasting and starvation.

Research Area

Image Data



Western blot analysis of extracts from Mouse small intestine tissue using AMRe86479 at 1:1000.

Note

For research use only.