

PDK1 antibody

Product Information

Catalog No.:	FNab06276
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Kinase that plays a key role in regulation of glucose and fatty acid metabolism and homeostasis via phosphorylation of the 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. Plays an important role in cellular responses to hypoxia and is important for cell proliferation under hypoxia. Protects cells against apoptosis in response to hypoxia and oxidative stress.

Immunogen information

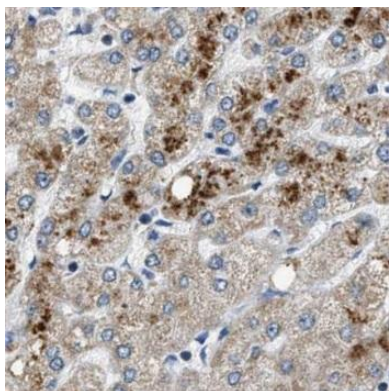
Immunogen:	pyruvate dehydrogenase kinase, isozyme 1
Synonyms:	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial Pyruvate dehydrogenase kinase isoform 1 (PDH kinase 1) PDK1 PDHK1
Observed MW:	46-55 kDa
Uniprot ID :	Q15118

Application

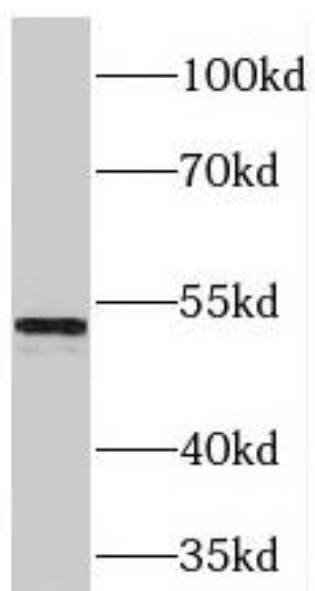
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human liver using FNab06276(PDK1 antibody) at dilution of 1:50



mouse liver tissue were subjected to SDS PAGE followed by western blot with FNab06276(PDK1 Antibody) at dilution of 1:2000