

PDK2 antibody

Product Information

Catalog No.:	FNab06277
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 the 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. Inhibition of pyruvate dehydrogenase decreases glucose utilization and increases fat metabolism. Mediates cellular responses to insulin. Plays an important role in maintaining normal blood glucose levels and in metabolic adaptation to nutrient availability. Via its regulation of pyruvate dehydrogenase activity, plays an important role in maintaining normal blood pH and in preventing the accumulation of ketone bodies under starvation. Plays a role in the regulation of cell proliferation and in resistance to apoptosis under oxidative stress. Plays a role in p53/TP53-mediated apoptosis.

Immunogen information

Immunogen:	pyruvate dehydrogenase kinase, isozyme 2
Synonyms:	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial Pyruvate dehydrogenase kinase isoform 2 (PDH kinase 2, PDKII) PDK2 PDHK2
Observed MW:	46 kDa
Uniprot ID :	Q15119

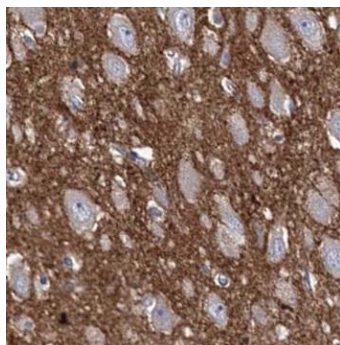
Application

Reactivity: Human, Mouse, Rat

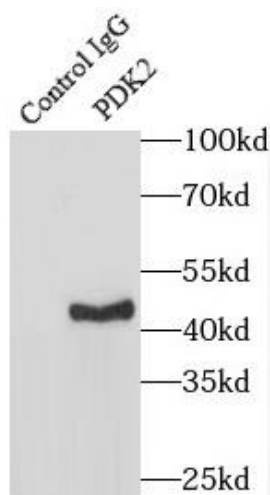
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200

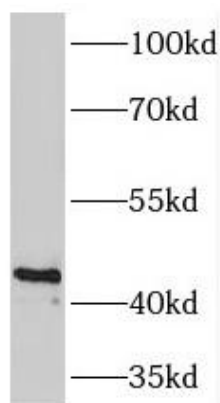
Image:



Immunohistochemistry of paraffin-embedded human brain using FNab06277(PDK2 antibody) at dilution of 1:100



IP Result of anti-PDK2 (IP:FNab06277, 4ug; Detection:FNab06277 1:500) with mouse skeletal muscle tissue lysate 2000ug.



human heart tissue were subjected to SDS PAGE followed by western blot with FNab06277(PDK2 antibody) at dilution of 1:500