

PDK1 antibody

Product Information

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| Catalog No.: | FNab06275 |
| 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

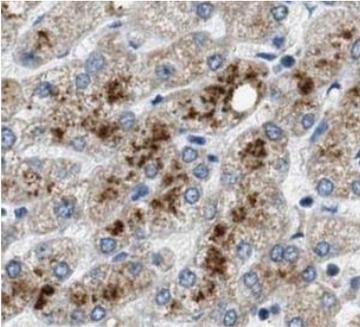
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|--------------|--|
| Immunogen: | pyruvate dehydrogenase kinase, isozyme 1 |
| Synonyms: | [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial Pyruvate dehydrogenase kinase isoform 1 (PDH kinase 1) PDK1 PDHK1 |
| Observed MW: | 50 kDa |
| Uniprot ID : | Q15118 |

Application

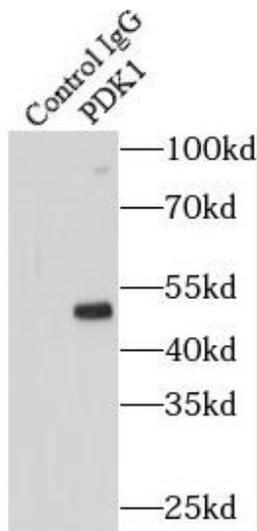
| | |
|---------------------|--------------------|
| Reactivity: | Human, Mouse, Rat |
| Tested Application: | ELISA, IHC, WB, IP |

Recommended dilution: WB: 1:500-1:2000; IP: 1:500-1:2000; IHC: 1:50-1:500

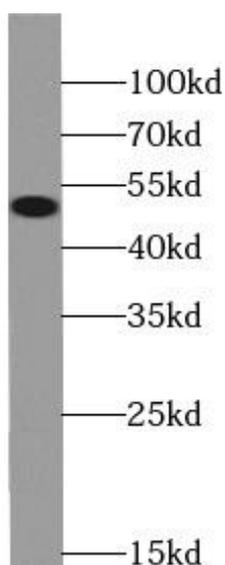
Image:



Immunohistochemistry of paraffin-embedded human liver using FNab06275(PDK1 antibody) at dilution of 1:100



IP Result of anti-PDK1 (IP:FNab06275, 6ug; Detection:FNab06275 1:1000) with NIH/3T3 cells lysate 1200ug.



mouse liver tissue were subjected to SDS PAGE followed by western blot with FNab06275(PDK1 Antibody) at dilution of 1:1000