

MB0312

PDK1 Antibody



- 50ul
- 100 uL

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Description:

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.

Uniprot : Q15118

Alternative Names:

[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial; HGNC:8809; Mitochondrial pyruvate dehydrogenase kinase isoenzyme 1; PDH kinase 1; Pdk1; PDK1_HUMAN; Pyruvate dehydrogenase kinase isoform 1; Pyruvate dehydrogenase kinase, isoenzyme 1;

Specificity:

PDK1 antibody detects endogenous levels of total PDK1.

Reactivity : Human, Rat, Monkey

Source : Mouse

Mol.Wt. : 44kD; 49kDa(Calculated).

Storage Condition:

Store at -20 °C. Stable for 12 months from date of receipt.

Application:

WB,IHC,IF/ICC,ELISA,FCM

Recommended dilution

WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:50-1:500 ELISA 1: 2000 FCM 1: 50