

PDK1 Rabbit mAb

Catalog # AP77193

Product Information

Application	WB, IP
Primary Accession	Q15118
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	49244

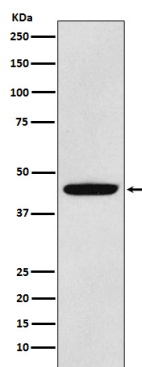
Additional Information

Gene ID	5163
Other Names	PDK1
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid

Protein Information

Name	PDK1
Synonyms	PDHK1
Function	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 (PubMed: 7499431 , PubMed: 18541534 , PubMed: 22195962 , PubMed: 26942675 , PubMed: 17683942). 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 (PubMed: 18541534 , PubMed: 22195962 , PubMed: 26942675). Plays an important role in cellular responses to hypoxia and is important for cell proliferation under hypoxia (PubMed: 18541534 , PubMed: 22195962 , PubMed: 26942675).
Cellular Location	Mitochondrion matrix
Tissue Location	Expressed predominantly in the heart. Detected at lower levels in liver, skeletal muscle and pancreas

Images



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