

PDK3 Polyclonal Antibody

Catalog number: 12215-1-AP

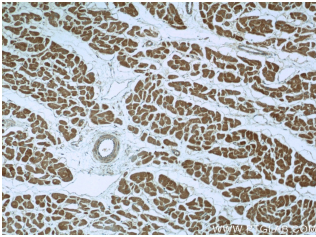
Size: 52 µg/150 µl

Source: Rabbit

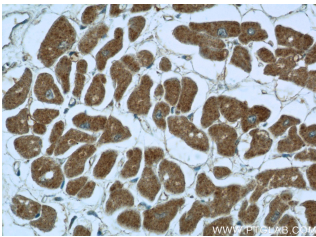
Isotype: IgG

Synonyms:

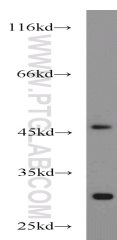
PDK3; PDK3



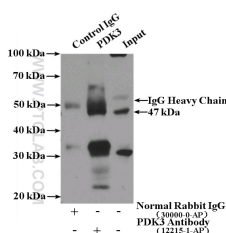
Immunohistochemistry of paraffin-embedded human heart slide using 12215-1-AP (PDK3 Antibody) at dilution of 1:50



Immunohistochemistry of paraffin-embedded human heart slide using 12215-1-AP (PDK3 Antibody) at dilution of 1:50



mouse heart tissue were subjected to SDS PAGE followed by western blot with 12215-1-AP (PDK3 antibody) at dilution of 1:1000



IP Result of anti-PDK3

(IP:12215-1-AP, 4µg;

Detection:12215-1-AP 1:1000)

with mouse heart tissue lysate

Background

PDK3([Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3, mitochondrial) is also named as PDHK3 and belongs to the PDK/BCKDK protein kinase family. It inhibits pyruvate dehydrogenase activity by phosphorylation of the E1 subunit PDHA1, and thereby regulates glucose metabolism and aerobic respiration. It has 2 isoforms produced by alternative splicing with the molecular weight of 47 and 48 kDa. This protein can exist as a dimer with the molecular weight of 90 kDa(PMID:11978179).

Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse; other species not tested.
Calculated PDK3 MW:	406aa,47 kDa
Observed PDK3 MW:	47 kDa
Positive WB detected in	Mouse heart tissue, mouse kidney tissue
Positive IP detected in	Mouse heart tissue
Positive IHC detected in	Human heart tissue, human skeletal muscle tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:500-1:5000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2879
GenBank accession number:	BC015948
Gene ID (NCBI):	5165
Full name:	Pyruvate dehydrogenase kinase, isozyme 3

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

4000ug.