



Anti-PDK1 monoclonal antibody, clone FQS24126 (DCABH-6722)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Mitochondrial Pyruvate dehydrogenase kinase 1 - C-terminal
Antigen Description	Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Mitochondrial Pyruvate dehydrogenase kinase 1 aa 400 to the C-terminus (C terminal) (Cysteine residue). The exact sequence is proprietary. Database link: Q1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS24126
Conjugate	Unconjugated
Applications	WB
Positive Control	Fetal heart, LNCaP and HepG2 lysates.
Format	Liquid
Size	100 µl
Buffer	pH: 7.2; Preservative: 0.01% Sodium azide; Constituents: 50% Glycerol, 49% PBS, 0.05% BSA
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

Ship

Shipped at 4°C.

GENE INFORMATION

Gene Name	PDK1 pyruvate dehydrogenase kinase, isozyme 1 [Homo sapiens]
Official Symbol	PDK1
Synonyms	PDK1; pyruvate dehydrogenase kinase, isozyme 1; pyruvate dehydrogenase kinase, isoenzyme 1; mitochondrial pyruvate dehydrogenase, lipoamide, kinase isoenzyme 1;
Entrez Gene ID	5163
Protein Refseq	NP_002601
UniProt ID	Q15118
Chromosome Location	2q31.1
Pathway	EPO Receptor Signaling, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, conserved biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Metabolism, organism-specific biosystem;
Function	ATP binding; nucleotide binding; protein complex binding; protein heterodimerization activity; protein homodimerization activity; protein kinase activity; pyruvate dehydrogenase (acetyl-transferring) kinase activity; transferase activity; two-component se