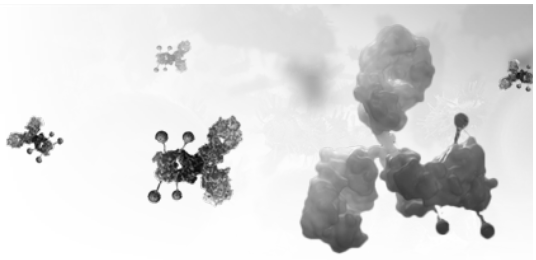

Anti-PDK1 monoclonal antibody, clone 3I4BB22 (DCABH-305)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Mitochondrial Pyruvate dehydrogenase kinase 1
Antigen Description	Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
Specificity	This antibody does not cross-react with other isoforms of Human PDK (i.e. PDK2, 3 or 4) and does not cross-react with tissue culture lysates, Rat, or Mouse samples
Immunogen	Recombinant human PDK1
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Cow, Human
Clone	3I4BB22
Purification	Produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
Conjugate	Unconjugated
Applications	ICC/IF, In-Cell ELISA, WB, Flow Cyt
Positive Control	HeLa cells; Human heart and liver tissue lysates; and HL-60 cells
Format	Liquid
Size	100 µg

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Buffer	Preservative: 0.02% Sodium azide; Constituent: HBS
Storage	Store at +4°C. Do not freeze.

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

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