

Rabbit Anti-PDK1 Polyclonal Antibody

CPB-921RH Rabbit(PDK1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-PDK1 Polyclonal Antibody
Antigen Description	Phosphorylates and activates not only PKB/AKT, but also PKA, PKC-zeta, RPS6KA1 and RPS6KB1. May play a general role in signaling processes and in development.
specificity	The antibody detects endogenous level of total PDK1 protein.
Target	PDK1
Immunogen	Peptide sequence around aa.239~243 (A-N-S-F-V) derived from Human PDK1.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA, WB, IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline(without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

ANTIGEN 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;
GeneID	5163
mRNA Refseq	NM_002610
Protein Refseq	NP_002601
MIM	602524
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 sensor activity;