



Anti-PDK4 (aa 181-280) polyclonal antibody (DPAB-DC2194)

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

PRODUCT INFORMATION

Antigen Description	This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin.
Immunogen	PDK4 (AAH40239, 181 a.a. ~ 280 a.a) partial recombinant protein with GST tag. The sequence is SDSQTGNPSHIGSIDPNCDVVAVVQDAFGCSRMLCDQYYLSSPELKLTQANGKFPDQPIH IVYVPSHLHHMLFELFKNAMRATVEHQENQPSLTPIEVIV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PDK4 pyruvate dehydrogenase kinase, isozyme 4 [Homo sapiens (human)]
Official Symbol	PDK4
Synonyms	PDK4; pyruvate dehydrogenase kinase, isozyme 4; pyruvate dehydrogenase kinase, isoenzyme 4; pyruvate dehydrogenase, lipoamide, kinase isozyme 4, mitochondrial; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 4, mitochondrial; [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 4, mitochondrial;
Entrez Gene ID	5166
Protein Refseq	NP_002603
UniProt ID	A4D1H4
Chromosome Location	7q21.3
Pathway	Metabolism; Pyruvate metabolism and Citric Acid (TCA) cycle; The citric acid (TCA) cycle and respiratory electron transport;
Function	ATP binding; protein kinase activity; protein serine/threonine kinase activity; pyruvate dehydrogenase (acetyl-transferring) kinase activity
