

DNAxPAb

Hard-to-Find
Antibody

PCK1 DNAxPab

Catalog # H00005105-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PCK1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MPPQLQNGLNLSAKVVQGSLDPLQAVREFLENNALCQPDHHCIDGSEEENGRLLGQMEEEG ILRRLKKYDNCWLALTDPRDVARIESTVITQEQRDTVPIPKTGLSQLGRWMSEEDFEKAFNARF PGCMKGRMTMYVIFFSMGPLGSPLSKIGIELTDSPIVVASMRIMTRMGTPVLEALGDGEFVKCLHSV GCPLPLQKPLVNNWPCNPELTIAHLPDRREISFGSGYGGNSLLGKKCFALRMASRLAKEEGWL AEHMLVLGITNPEGEKKYLAAPFSACGKTNLAMMNPSPGKWKVECVGDDIAWMKFDAQGHLR AIPENGFFGVAPGTSVKTNPNAIKTIQKNTIFTNVAETSDGGVYWEGIDEPLASGVTTTSWKNKEW SSEGEPCAHPNRSRFTPASQCPIDAAWESPEGVPIEGIIIFGGRRPAGVPLVYEALSWQHGVFV GAAMRSEATAAAEHKGKIMHDPFAMRPFFGYNFGKYLAHWLSMAQHAAKLPKIFHVNWFRKD KEGKFLWPFGGENSRVLEWMFNIDGKASTKLTPIGYIPKEDALNLKGLGHINMMELFSISKEFWE KEVEDIEKYLEQVNADLPCEIEREILALKQRISQM
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PCK1

Entrez GeneID [5105](#)

GeneBank Accession# [NM_002591.2](#)

Protein Accession# [NP_002582.2](#)

Gene Name PCK1

Gene Alias MGC22652, PEPCK-C, PEPCK1, PEPCKC

Gene Description phosphoenolpyruvate carboxykinase 1 (soluble)

Omim ID [261680](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a main control point for the regulation of gluconeogenesis. The cytosolic enzyme encoded by this gene, along with GTP, catalyzes the formation of phosphoenolpyruvate from oxaloacetate, with the release of carbon dioxide and GDP. The expression of this gene can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. Defects in this gene are a cause of cytosolic phosphoenolpyruvate carboxykinase deficiency. A mitochondrial isozyme of the encoded protein also has been characterized. [provided by RefSeq]

Other Designations OTTHUMP00000031374|PEP carboxykinase|cytosolic phosphoenolpyruvate carboxykinase 1|phosphoenolpyruvate carboxylase|phosphopyruvate carboxylase

Pathway

- [Adipocytokine signaling pathway](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Glycolysis / Gluconeogenesis](#)
- [Insulin signaling pathway](#)

- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Pyruvate metabolism](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Werner syndrome](#)