

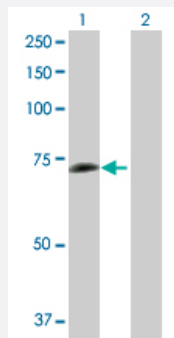
MaxPab®

PCK1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005105-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PCK1 expression in transfected 293T cell line ([H00005105-T02](#)) by PCK1 MaxPab polyclonal antibody.

Lane 1: PCK1 transfected lysate(69.20 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PCK1 protein.

Immunogen

PCK1 (NP_002582.2, 1 a.a. ~ 622 a.a) full-length human protein.

Sequence

MPPQLQNGLNLSAKVVQGSLDPLQAVREFLENNALCQPDHIIHICDGSEEENGRLLGQMEEEG
ILRRLKKYDNCWLALTDPRDVARIESTVIVTQEQRDTVPIPKTGLSQLGRWMSEEDFEKAFNARF
PGCMKGRTMYVIPFSMGPLGSPLSKIGIELTDSPLYVASMRIITRMGTPVLEALGDGEFVKCLHSV
GCPLPLQKPLVNNWPCNPELTIAHLDPDRREISFGSGYGGNSLLGKKCFALRMASRLAKEEGWL
AEHMLVLGITNPEGEKKYLAAAFPSACGKTNLMMNPSPGKWKVECVGDDIAWMKFDAQGHLR
AIPENGFFGVAPGTSVKTNPNAIKTIQKNTIFTNVAETSDGGVYWEIDEPLASGVTTISWKNKEW
SSEGEPCAHPNRSRFTPASQCPIDAAWESPEGVPIEGIIIFGGRRPAGVPLVYEALSWQHGVFV
GAAMRSEATAAAEHKGIIMHDPFAMRPFFGYNFGKYLAHWLSMAQHAAKLPKIFHVNWFRKD
KEGKFLWPGFGENSRVLEWMFNRIIDGKASTKLTPIGYPKEDALNLKGLGHINMMELFSSISKEFWE
KEVEDIEKYLEQVNADLPCEIEREILALKQRISQM

Host

Rabbit

Reactivity

Human

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)

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[Protocol Download](#)

Gene Info — PCK1

Entrez GeneID [5105](#)

GeneBank Accession# [NM_002591](#)

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](#)