

DNAxPAb

Hard-to-Find
Antibody

PCK2 DNAxPab

Catalog # H00005106-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PCK2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAALYRPGRLRNWHGLSPLGWPSCRSIQTLRVLSGDLGQLPTGIRDFVEHSARLCQPEGIHCIDGT EAENTATLTLEQQGLIRKLPKYNNCWLARTDPKDVARVESKTVIVTPSQRDTVPLPPGGARGQL GNWMSPADFQRAVDERFPGCMQGRMYVLPFSMGPVGSPLSRIGVQLTDSAYVVASMRIMTRL GTPVLQALGDGDFVKCLHSVGQPLTGQGEVPSQWPCNPEKTLIGHVPDQREIISFGSGYGGNSLL GKKCFALRIASRLARDEGWLAEHMLILGITSPAGKKRYAAAFPSACGKTNLAMMRPALPGWKVE CVGDDIAWMRFDSEGRRLRAINPENGFFGVAPGTSATTNPAMATIQSNTIFTNVAETSDGGVYWE GIDQPLPPGVTVTSWLGKPWKPGDKEPCAHPNRSFCAPARQCPIMDPAWEAPEGVPIAIIFFGG RRPKGVPPLVYEFNWRHGVFVGSAMRSESTAAAEHKGKIIMHDPFAMRPFFGYNFGHYLEHWLS MEGRKGAQLPRIFHVNWFRRDEAGHFLWPGFGENARVLDWICRRLEGEDSARETPIGLVPKEGA LDLSGLRAIDTTQLFSLPKDFWEQEVRDIRSYLTEQVNQDLPKEVLAELEALERRVHKM
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 — PCK2

Entrez GeneID [5106](#)

GeneBank Accession# [BC001454](#)

Protein Accession# [AAH01454](#)

Gene Name PCK2

Gene Alias PEPCK, PEPCK-M, PEPCK2

Gene Description phosphoenolpyruvate carboxykinase 2 (mitochondrial)

Omim ID [261650](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the phosphoenolpyruvate carboxykinase (GTP) family. The protein is a mitochondrial enzyme that catalyzes the conversion of oxaloacetate to phosphoenolpyruvate in the presence of GTP. A cytosolic form encoded by a different gene has also been characterized and is the key enzyme of gluconeogenesis in the liver. The encoded protein may serve a similar function, although it is constitutively expressed and not modulated by hormones such as glucagon and insulin that regulate the cytosolic form. Alternatively spliced transcript variants have been described. [provided by RefSeq]

Other Designations OTTHUMP00000164700|PEP carboxykinase|mitochondrial phosphoenolpyruvate carboxykinase 2|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

- [Diabetes Mellitus](#)