

PCK2 rabbit monoclonal antibody

Catalog # H00005106-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PCK2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PCK2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PCK2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PCK2

Entrez GeneID	5106
GeneBank Accession#	PCK2
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](#)