

PC rabbit monoclonal antibody

Catalog # H00005091-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PC peptide using ARM Technology.
Immunogen	A synthetic peptide of human PC 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 PC 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 — PC

Entrez GeneID [5091](#)

GeneBank Accession# [PC](#)

Gene Name PC

Gene Alias PCB

Gene Description pyruvate carboxylase

Omim ID [266150 608786](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes pyruvate carboxylase, which requires biotin and ATP to catalyse the carboxylation of pyruvate to oxaloacetate. The active enzyme is a homotetramer arranged in a tetrahedron which is located exclusively in the mitochondrial matrix. Pyruvate carboxylase is involved in gluconeogenesis, lipogenesis, insulin secretion and synthesis of the neurotransmitter glutamate. Mutations in this gene have been associated with pyruvate carboxylase deficiency. Alternatively spliced transcripts with different 5' UTRs, but encoding the same protein, have been found for this gene. [provided by RefSeq]

Other Designations -

Pathway

- [Citrate cycle \(TCA cycle\)](#)
- [Metabolic pathways](#)
- [Pyruvate metabolism](#)

Disease

- [Abortion](#)
- [Pregnancy Complications](#)
- [Thrombophilia](#)