

**Anti-PCK2 Monoclonal Antibody**  
Catalog # ABO14548**Specification****Anti-PCK2 Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, FC
Primary Accession	<a href="#">Q16822</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-PCK2 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

**Anti-PCK2 Monoclonal Antibody - Additional Information**

Gene ID 5106

**Other Names**

Phosphoenolpyruvate carboxykinase [GTP], mitochondrial, PEPCK-M, 4.1.1.32, Phosphoenolpyruvate carboxykinase 2, mitochondrial, mtPCK2, PCK2 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=8725](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=8725)), PEPCK2

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human PCK2 Catalyzes the conversion of oxaloacetate (OAA) to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle.

**Purification**

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-PCK2 Monoclonal Antibody - Protein Information**

**Name** PCK2 ([HGNC:8725](#))

**Synonyms** PEPCK2

**Function**

Mitochondrial phosphoenolpyruvate carboxykinase that catalyzes the conversion of oxaloacetate (OAA) to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle (PubMed:<a href="http://www.uniprot.org/citations/28955899" target="\_blank">28955899</a>). Can play an active role in glyceroneogenesis and gluconeogenesis (PubMed:<a href="http://www.uniprot.org/citations/28955899" target="\_blank">28955899</a>).

**Cellular Location**

Mitochondrion.

**Tissue Location**

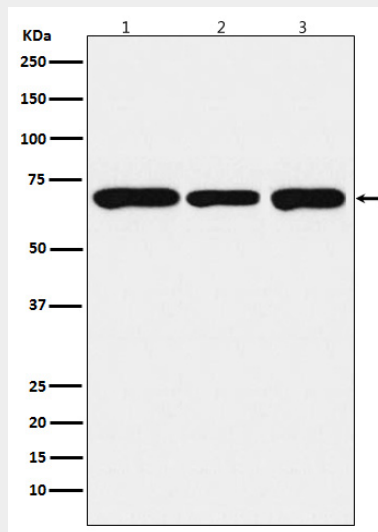
Widely expressed..

**Anti-PCK2 Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-PCK2 Monoclonal Antibody - Images**



Western blot analysis of PCK2 expression in (1) HepG2 cell lysate; (2) Mouse brain lysate; (3) Rat spleen lysate.