# PCK1 Rabbit mAb

**Catalog NO.: A22172** Recombinant 4 Publications

## Basic Information

### Observed MW
69kDa

### Calculated MW
69kDa

### Category
Monoclonal Antibodies

### Applications
WB, ELISA

### Cross-Reactivity
Human, Mouse, Rat

### Conjugation
Unconjugated

### Clone number
ARC56074

## Background

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.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:1000 - 1:5000 |

### ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID
5105

### Swiss Prot
P35558

### Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms
PCKDC; PEPCK1; PEPCKC; PEPCK-C; PCK1

## Contact

## Product Information

order@abclonal.com
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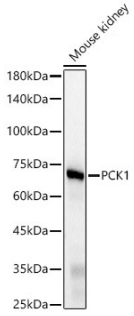
**Source**
Rabbit

**Isotype**
IgG

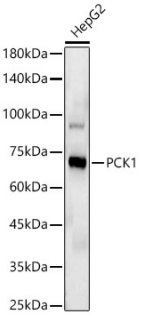
**Purification**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data




Western blot analysis of various lysates, using PCK1 Rabbit mAb (A22172) at1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 0.5s.




Western blot analysis of lysates from HepG2 cells, using PCK1 Rabbit mAb (A22172) at1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 0.5s.

For research use only. Not for therapeutic or diagnostic purposes.

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