

Anti-PCK1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

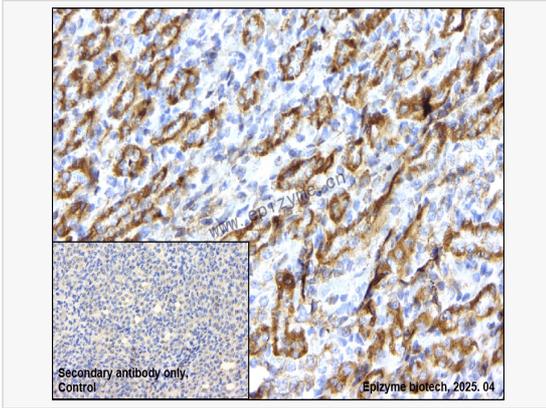
Catalog # R015519

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	75P74S73
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PCK1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PCK1 Rabbit mAb [75P74S73] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	cytosolic [GTP]; GTP; PCK1; PCKGC_HUMAN; PEP carboxykinase; PEPCK-C; PEPCK1; PEPCKC; Phosphoenolpyruvate carboxykinase 1 (soluble); Phosphoenolpyruvate carboxykinase 1; Phosphoenolpyruvate carboxykinase; Phosphoenolpyruvate carboxykinase, cytosolic [GTP]; Phosphoenolpyruvate carboxykinase, cytosolic; Phosphoenolpyruvate carboxylase; Phosphopyruvate carboxylase; PEPC.
Calculated MW	Calculated MW: 69 kDa; Observed MW: 69 kDa
Uniprot ID	P35558
Gene ID	5105
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. [provided by RefSeq, Jul 2008].
Cellular Location	Cytoplasm.
Tissue Location	Major sites of expression are liver, kidney and adipocytes.



Immunohistochemistry - Anti-PCK1 Rabbit mAb [75P74S73]

Sample: Paraformaldehyde-fixed, paraffin embedded rat kidney tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015519 at 1:200 dilution

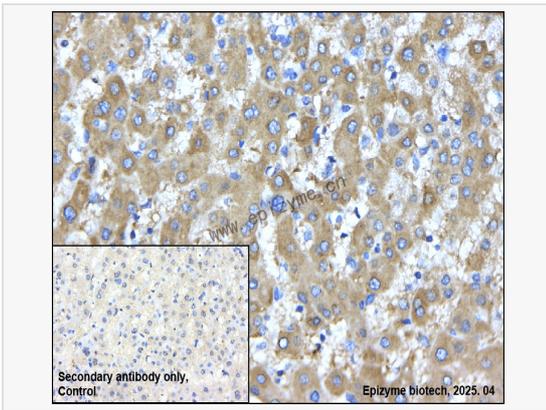
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-PCK1 Rabbit mAb [75P74S73]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015519 at 1:200 dilution

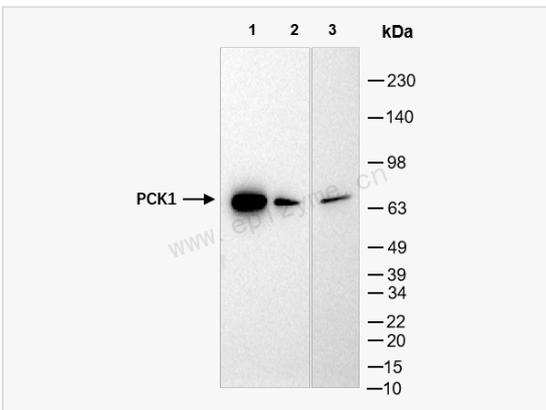
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Western Blot - Anti-PCK1 Rabbit mAb [75P74S73]

All lanes: R015519 at 1:1,000 dilution

Lane 1: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 2: Huh1 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: Rat liver whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at

1:5,000 dilution

Predicted band size: 69 kDa

Observed band size: 69 kDa

Developed using the ECL technique (Cat. No. SQ201).