PCK1 Rabbit Polyclonal Antibody

CAB2036

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

69kDa

Calculated MW:

34kDa/69kDa

Applications:

WB IF IP

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:
WB 1:1000 - 1:2000 IF 1:50 - 1:200 IP 1:50 - 1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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.

Immunogen information

Gene ID:
5105

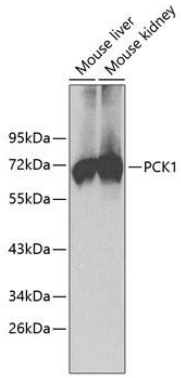
Uniprot
P35558

Synonyms:
PCK1; PEPCK-C; PEPCK1; PEPCKC

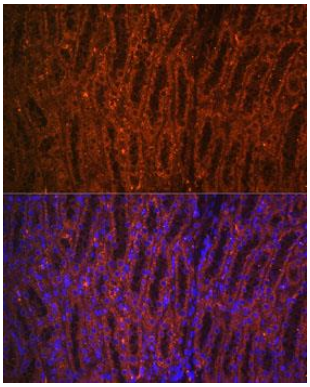
Immunogen:
A synthetic peptide corresponding to a sequence within amino acids 520 to the C-terminus of human PCK1 (NP_002582.3).

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

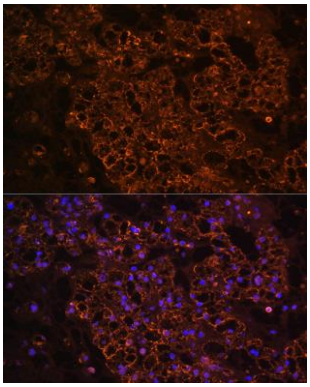
Product Images



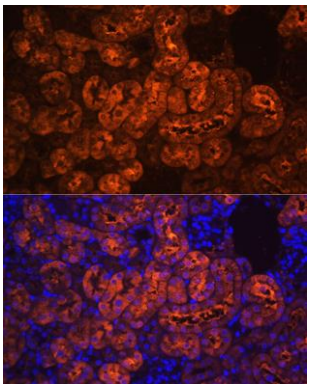
Western blot analysis of extracts of various cell lines, using PCK1 antibody (CAB2036). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of rat kidney using PCK1 Rabbit pAb (CAB2036) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of human kidney cancer using PCK1 Rabbit pAb (CAB2036) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse kidney using PCK1 Rabbit pAb (CAB2036) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

