

PCK1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8093a

Product Information

Application	WB, IHC-P, E
Primary Accession	P35558
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB3644
Antigen Region	40-70

Additional Information

Other Names	Phosphoenolpyruvate carboxykinase, cytosolic [GTP], PEPCCK-C, PCK1, PEPCCK1
Target/Specificity	This PCK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-70 amino acids from the N-terminal region of human PCK1.
Dilution	WB~1:1000 IHC-P~1:100~500 E~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PCK1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

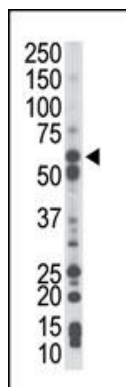
Background

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. A mitochondrial isozyme of the encoded protein also has been characterized.

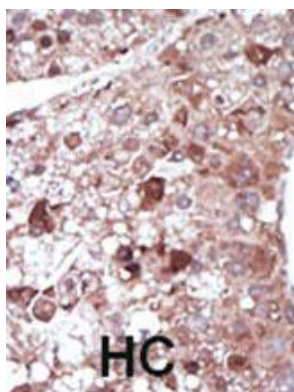
References

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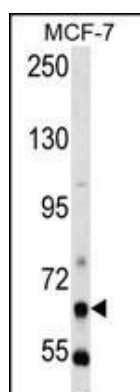
Images



The anti-PCK1 Pab (Cat. #AP8093a) is used in Western blot to detect PCK1 in mouse liver tissue lysate.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



PCK1 Antibody (N-term) (Cat. #AP8093a) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the PCK1 antibody detected the PCK1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.