

PEPCK-C rabbit pAb

Cat No.:ES3966

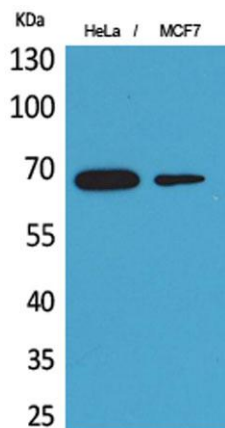
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Overview

Product Name	PEPCK-C rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human PCK1. AA range:491-540
Specificity	PEPCK-C Polyclonal Antibody detects endogenous levels of PEPCK-C protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Phosphoenolpyruvate carboxykinase cytosolic [GTP]
Gene Name	PCK1
Cellular localization	Cytoplasm, cytosol . Endoplasmic reticulum . Phosphorylation at Ser-90 promotes translocation to the endoplasmic reticulum. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	65kD
Human Gene ID	5105
Human Swiss-Prot Number	P35558
Alternative Names	PCK1; PEPCK1; Phosphoenolpyruvate carboxykinase, cytosolic [GTP]; PEPCK-C; Phosphoenolpyruvate carboxylase
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

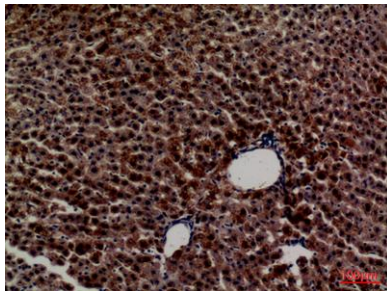


of phosphoenolpyruvate from oxaloacetate, with the release of carbon dioxide and GDP. The expression of this gene can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. Defects in this gene are a cause of cytosolic phosphoenolpyruvate carboxykinase deficiency. A mitochondrial isozyme of the encoded protein also has been characterized. [provided by RefSeq, Jul 2008],

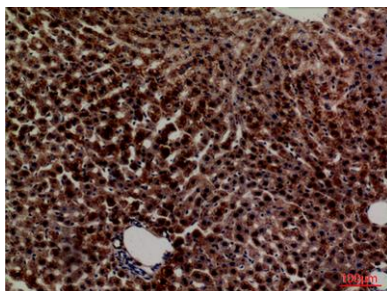


Western Blot analysis of HeLa, MCF7 cells using PEPCK-C Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Immunohistochemical analysis of paraffin-embedded rat-liver, antibody was diluted at 1:100



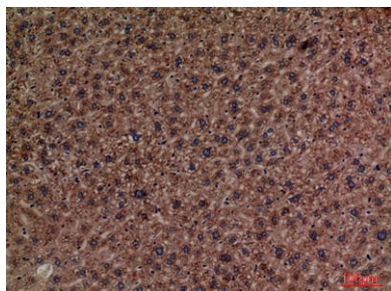
Immunohistochemical analysis of paraffin-embedded rat-liver, antibody was diluted at 1:100





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Immunohistochemical analysis of paraffin-embedded mouse-liver, antibody was diluted at 1:100



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