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## anti-PC antibody (N-Term)

**Images** 

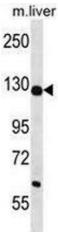


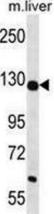
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Quantity:	0.4 mL
Target:	PC
Binding Specificity:	AA 52-82, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 52-82 amino acids from the N-terminal region of human PC
Isotype:	Ig Fraction
Specificity:	This antibody reacts to PC.
Cross-Reactivity (Details):	Species reactivity (tested):Mouse.
Purification:	Affinity chromatography on Protein A
Target Details	
Target:	PC

### **Target Details**

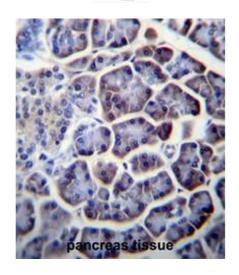
rarget betails		
Alternative Name:	Pyruvic Carboxylase (PC) (PC Products)	
Background:	This gene encodes pyruvate carboxylase, which requires biotin and ATP to catalyse the carboxylation of pyruvate to oxaloacetate. The active enzyme is a homotetramer arranged in a tetrahedron which is located exclusively in the mitochondrial matrix. Pyruvate carboxylase is involved in gluconeogenesis, lipogenesis, insulin secretion and synthesis of the neurotransmitter glutamate. Mutations in this gene have been associated with pyruvate carboxylase deficiency. Alternatively spliced transcript variants with different 5' UTRs, but encoding the same protein, have been found for this gene. [provided by RefSeq].Synonyms: PCB, Pyruvate carboxylase mitochondrial	
Gene ID:	5091	
NCBI Accession:	NP_000911	
Application Details		
Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.25 mg/mL	
Buffer:	PBS, 0.09 % (W/V) sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.	





#### **Western Blotting**

Image 1. PC Antibody (N-term) western blot analysis in mouse liver tissue lysates (35µg/lane). This demonstrates the PC antibody detected the PC protein (arrow).



#### **Immunohistochemistry (Paraffin-embedded Sections)**

Image 2. PC Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This demonstrates the use of PC Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.