

Rabbit PC Polyclonal Antibody | anti-PC antibody

PC Antibody (N-term)

CATALOG # AAA286654	HOST Rabbit	REACTIVITY Mouse (Predicted Reactivity: Bovine, Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

PC; Polyclonal Antibody; PC Antibody (N-term); Pyruvate carboxylase; mitochondrial; Pyruvic carboxylase; PCB; anti-PC antibody

PRODUCT SPECIFICATIONS

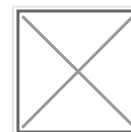
Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-82 amino acids from the N-terminal region of human PC.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	53-82
Sequence Length	529
Applicable Applications for anti-PC antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

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 data demonstrates the use of PC Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PC antibody	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].
Product Categories/Family for anti-PC antibody	Cancer ; Metabolism ; Signal Transduction
References	MacDonald, M.J., et al. Diabetologia 52(6):1087-1091(2009) Monnot, S., et al. Hum. Mutat. 30(5):734-740(2009) Wang, D., et al. Mol. Genet. Metab. 95 (1-2), 31-38 (2008) : Vora, S., et al. Natl Med J India 21(3):116-119(2008) Xiang, S., et al. Nat. Struct. Mol. Biol. 15(3):295-302(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	106049295
NCBI GeneID	5091
NCBI Accession #	NP_000911.2; NP_001035806.1; NP_071504.2
NCBI GenBank Nucleotide #	NM_000920.3
UniProt Accession #	P11498; Q16705; B4DN00
Molecular Weight	129634
NCBI Official Full Name	pyruvate carboxylase, mitochondrial
NCBI Official Synonym Full Names	pyruvate carboxylase
NCBI Official Symbol	PC
NCBI Official Synonym Symbols	PCB
NCBI Protein Information	pyruvate carboxylase, mitochondrial
UniProt Protein Name	Pyruvate carboxylase, mitochondrial
UniProt Gene Name	PC
UniProt Synonym Gene Names	PCB
UniProt Entry Name	PYC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pc-antibody-immunohistochemistry-western-blot-elisa/286654>