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## Datasheet for ABIN7465195 anti-PC antibody (C-Term)

### Overview

Quantity:	100 µL
Target:	PC
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PC antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF), RNA-Binding Protein Immunoprecipitation (RIP)

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human Pyruvate Carboxylase. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	PC
Alternative Name:	pyruvate carboxylase ( <a href="#">PC Products</a> )

## Target Details

**Background:** Pyruvate carboxylase , PCB, 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]

**Molecular Weight:** 130 kDa

**Gene ID:** 5091

**UniProt:** [P11498](#)

## Application Details

**Application Notes:** WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:857. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

**Comment:** Positive Control: 293T , A431 , HeLa , HepG2

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.69 mg/mL

**Buffer:** 1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C, -20 °C

**Storage Comment:** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.