# Pyruvate carboxylase (PC) Rabbit mAb

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**ABclonal** 

Catalog No.: A8980 Recombinant

## **Basic Information**

### **Observed MW**

130kDa

#### **Calculated MW**

130kDa

### Category

Primary antibody

## **Applications**

WB,ELISA

#### **Cross-Reactivity**

Mouse, Rat

#### CloneNo number

ARC1371

# **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.

## **Recommended Dilutions**

**WB** 1:1000 - 1:2000

**ELISA** 

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID Swiss Prot** 5091 P11498

#### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

## **Synonyms**

PCB; PC; Pyruvate carboxylase (PC)

## **Contact**

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## **Product Information**

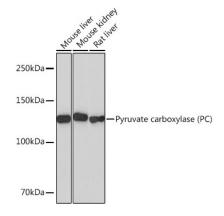
Source Isotype **Purification** Rabbit IgG Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# **Validation Data**



Western blot analysis of various lysates using Pyruvate carboxylase (PC) Rabbit mAb (A8980) at 1:1000 dilution

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.