

# PC / Pyruvate Carboxylase Antibody (Internal)

Goat Polyclonal Antibody Catalog # ALS12273

# **Specification**

# PC / Pyruvate Carboxylase Antibody (Internal) - Product Information

Application WB, IHC-P, E

Primary Accession P11498

Reactivity Human, Mouse, Rat, Rabbit, Hamster,

Monkey, Pig, Horse, Bovine, Dog

Host Goat
Clonality Polyclonal
Calculated MW 130kDa KDa
Dilution WB~~1:1000
IHC-P~~N/A

E~~N/A

# PC / Pyruvate Carboxylase Antibody (Internal) - Additional Information

**Gene ID** 5091

### **Other Names**

Pyruvate carboxylase, mitochondrial, 6.4.1.1, Pyruvic carboxylase, PCB, PC

## Target/Specificity

Human PC / Pyruvate Carboxylase. All reported variants (NP\_000911.2; NP\_001035806.1; NP\_071504.2) represent identical protein.

# **Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

#### **Precautions**

PC / Pyruvate Carboxylase Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

# PC / Pyruvate Carboxylase Antibody (Internal) - Protein Information

# Name PC (HGNC:8636)

#### **Function**

Pyruvate carboxylase catalyzes a 2-step reaction, involving the ATP-dependent carboxylation of the covalently attached biotin in the first step and the transfer of the carboxyl group to pyruvate in the second. Catalyzes in a tissue specific manner, the initial reactions of glucose (liver, kidney) and lipid (adipose tissue, liver, brain) synthesis from pyruvate.

## **Cellular Location**

Mitochondrion matrix

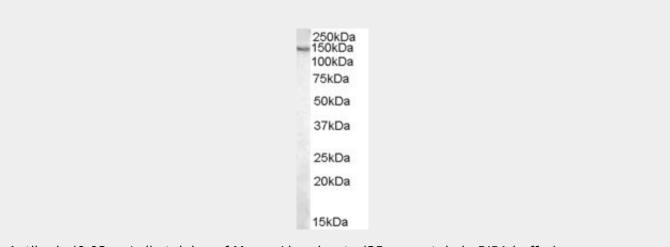


### PC / Pyruvate Carboxylase Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# PC / Pyruvate Carboxylase Antibody (Internal) - Images



Antibody (0.03 ug/ml) staining of Mouse Liver lysate (35 ug protein in RIPA buffer).

#### PC / Pyruvate Carboxylase Antibody (Internal) - Background

Pyruvate carboxylase catalyzes a 2-step reaction, involving the ATP-dependent carboxylation of the covalently attached biotin in the first step and the transfer of the carboxyl group to pyruvate in the second. Catalyzes in a tissue specific manner, the initial reactions of glucose (liver, kidney) and lipid (adipose tissue, liver, brain) synthesis from pyruvate.

# PC / Pyruvate Carboxylase Antibody (Internal) - References

Wexler I.D.,et al.Biochim. Biophys. Acta 1227:46-52(1994). Mackay N.,et al.Biochem. Biophys. Res. Commun. 202:1009-1014(1994). Walker M.E.,et al.Submitted (JUL-1995) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004). Taylor T.D.,et al.Nature 440:497-500(2006).