

PC / Pyruvate Carboxylase Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12273

Specification

PC / Pyruvate Carboxylase Antibody (Internal) - Product Information

Application	WB
Primary Accession	P11498
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	130kDa KDa

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

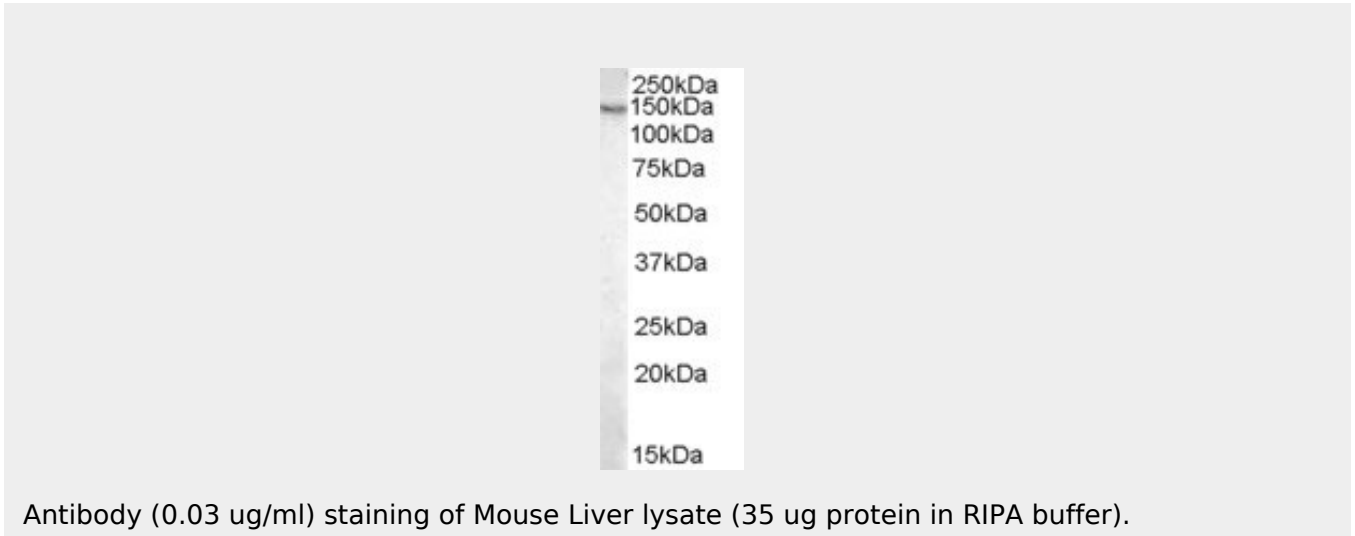
Mitochondrion matrix

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PC / Pyruvate Carboxylase Antibody (Internal) - Images



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).