10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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

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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 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).