

Pyruvate Carboxylase Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51826

Specification

Pyruvate Carboxylase Antibody - Product Information

Application	WB
Primary Accession	P11498
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	130 KDa
Antigen Region	341 - 400

Pyruvate Carboxylase Antibody - Additional Information

Gene ID 5091

Other Names

Pyruvate carboxylase, mitochondrial, Pyruvic carboxylase, PCB, PC

Target/Specificity

KLH conjugated synthetic peptide derived from human Pyruvate Carboxylase

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Pyruvate Carboxylase Antibody - 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

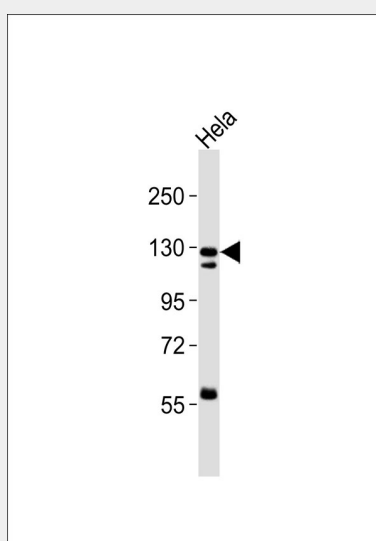
Mitochondrion matrix

Pyruvate Carboxylase Antibody - 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](#)

Pyruvate Carboxylase Antibody - Images



Anti-Pyruvate Carboxylase Antibody at 1:1000 dilution + HeLa whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 130 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Pyruvate Carboxylase Antibody - 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.

Pyruvate Carboxylase Antibody - 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.
Lamhonwah A.-M., et al. *Arch. Biochem. Biophys.* 254:631-636(1987).
Freytag S.O., et al. *J. Biol. Chem.* 259:12831-12837(1984).