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Pyruvate Carboxylase Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51826

Product Information

Application	WB
Primary Accession	P11498
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	129634

Additional Information

Gene ID	5091
Other Names	Pyruvate carboxylase, mitochondrial, Pyruvic carboxylase, PCB, PC
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Pyruvate Carboxylase. The exact sequence is proprietary.
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

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

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.

References

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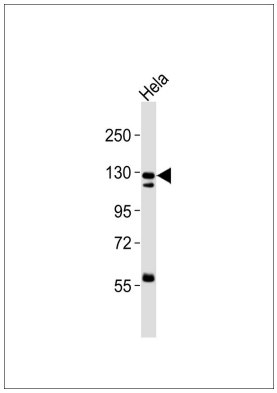
Mackay N.,et al.Biochem. Biophys. Res. Commun. 202:1009-1014(1994).
Walker M.E.,et al.Submitted (JUL-1995) to the EMBL/GenBank/DDBJ databases.
Lamhonwah A.-M.,et al.Arch. Biochem. Biophys. 254:631-636(1987).
Freytag S.O.,et al.J. Biol. Chem. 259:12831-12837(1984).

Images



Anti-Pyruvate Carboxylase Antibodyat 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.