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PDHB Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2921c

Specification

PDHB Antibody (Center) Blocking Peptide - Product Information

Primary Accession P11177

PDHB Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5162

Other Names
Pyruvate dehydrogenase E1 component subunit beta, mitochondrial, PDHE1-B, PDHB, PHE1B

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PDHB Antibody (Center) Blocking Peptide - Protein Information

Name PDHB

Synonyms PHE1B

Function
The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and thereby links the glycolytic pathway to the tricarboxylic cycle.

Cellular Location
Mitochondrion matrix.

PDHB Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PDHB Antibody (Center) Blocking Peptide - Images

PDHB Antibody (Center) Blocking Peptide - Background

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The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene encodes the E1 beta subunit.

PDHB Antibody (Center) Blocking Peptide - References

Okajima, K., et al. Mol. Genet. Metab. 93(4):371-380(2008)Korotchkina, L.G., et al. FEBS Lett. 582(3):468-472(2008)Han, Z., et al. J. Biol. Chem. 283(1):237-243(2008)