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BDHA1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5553c

Specification

BDHA1 Antibody (Center) Blocking peptide - Product Information

Primary Accession	P08559
Other Accession	NP_000275.1

BDHA1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 5160

Other Names
Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial, PDHE1-A type I, PDHA1, PHE1A

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.

BDHA1 Antibody (Center) Blocking peptide - Protein Information

Name PDHA1

Synonyms PHE1A

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.

Tissue Location
Ubiquitous.

BDHA1 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

BDHA1 Antibody (Center) Blocking peptide - Images

BDHA1 Antibody (Center) Blocking peptide - Background

The pyruvate dehydrogenase (PDH) complex is anuclear-encoded mitochondrial multienzyme complex that catalyzesthe overall conversion of pyruvate to acetyl-CoA and CO(2), andprovides the primary link between glycolysis and the tricarboxylicacid (TCA) cycle. The PDH complex is composed of multiple copies ofthree enzymatic components: pyruvate dehydrogenase (E1),dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase(E3). The E1 enzyme is a heterotetramer of two alpha and two betasubunits. This gene encodes the E1 alpha 1 subunit containing theE1 active site, and plays a key role in the function of the PDHcomplex.

BDHA1 Antibody (Center) Blocking peptide - References

Glushakova, L.G., et al. Mol. Genet. Metab. 98(3):289-299(2009)Joao Silva, M., et al. Eur. J. Pediatr. 168(1):17-22(2009)Boichard, A., et al. Mol. Genet. Metab. 93(3):323-330(2008)