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Phospho-PDHA1- S293 Antibody Blocking peptide

Synthetic peptide
Catalog # BP3719a

Specification

Phospho-PDHA1- S293 Antibody Blocking peptide - Product Information

Primary Accession P35486

Phospho-PDHA1- S293 Antibody Blocking peptide - Additional Information

Gene ID 18597

Other Names
Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial, PDHE1-A type I, Pdha1, Pdha-1

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.

Phospho-PDHA1- S293 Antibody Blocking peptide - Protein Information

Name Pdha1

Synonyms Pdha-1

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
In all tissues, but in very low amount in testis.

Phospho-PDHA1- S293 Antibody Blocking peptide - Protocols

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

- Blocking Peptides

Phospho-PDHA1- S293 Antibody Blocking peptide - Images

Phospho-PDHA1- S293 Antibody Blocking peptide - Background

PDHA1 is the pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2). It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3).

Phospho-PDHA1- S293 Antibody Blocking peptide - References

Kalantry, S., et al. Nature 460(7255):647-651(2009)Sansom, S.N., et al. PLoS Genet. 5 (6), E1000511 (2009) Sidhu, S., et al. Am. J. Physiol. Heart Circ. Physiol. 295 (3), H946-H952 (2008)