

**Phospho-PDHA1- S293 Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3719a**

**Specification**

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**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<sub>2</sub>. 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)