

**AASDHPPT Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9193c****Specification**

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**AASDHPPT Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9NRN7](#)**AASDHPPT Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 60496**Other Names**

L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase, 278-, 4'-phosphopantetheinyl transferase, Alpha-aminoadipic semialdehyde dehydrogenase-phosphopantetheinyl transferase, AASD-PPT, LYS5 ortholog, AASDHPPT

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9193c](/products/AP9193c) was selected from the Center region of human AASDHPPT. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**AASDHPPT Antibody (Center) Blocking Peptide - Protein Information****Name** AASDHPPT**Function**

Catalyzes the post-translational modification of target proteins by phosphopantetheine. Can transfer the 4'-phosphopantetheine moiety from coenzyme A, regardless of whether the CoA is presented in the free thiol form or as an acetyl thioester, to a serine residue of a broad range of acceptors including the acyl carrier domain of FASN.

**Cellular Location**

Cytoplasm, cytosol.

**Tissue Location**

Detected in heart, skeletal muscle, placenta, testis, brain, pancreas, liver and kidney

## **AASDHPPT Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **AASDHPPT Antibody (Center) Blocking Peptide - Images**

## **AASDHPPT Antibody (Center) Blocking Peptide - Background**

AASDHPPT is similar to *Saccharomyces cerevisiae* LYS5, which is required for the activation of the alpha-amino adipate dehydrogenase in the biosynthetic pathway of lysine. Yeast alpha-amino adipate dehydrogenase converts alpha-biosynthetic-amino adipate semialdehyde to alpha-amino adipate. It has been suggested that defects in the human gene result in pipecolic acidemia.

## **AASDHPPT Antibody (Center) Blocking Peptide - References**

Strickland, K.C., et.al., J. Biol. Chem. 285 (3), 1627-1633 (2010) Bunkoczi, G., et.al, Chem. Biol. 14 (11), 1243-1253 (2007)