

PRODH Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8620c**Specification**

PRODH Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O9WU79](#)
Other Accession [O43272](#)

PRODH Antibody (Center) Blocking Peptide - Additional Information

Gene ID 19125

Other Names

Proline dehydrogenase 1, mitochondrial, Proline oxidase, Prodh, Pro1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8620c](/products/AP8620c) was selected from the Center region of human PRODH. 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.

PRODH Antibody (Center) Blocking Peptide - Protein Information

Name Prodh

Synonyms Pro1

Function

Converts proline to delta-1-pyrroline-5-carboxylate.

Cellular Location

Mitochondrion matrix.

Tissue Location

Expressed in liver, kidney, heart and to a lesser extent in brain, lung and muscle

PRODH Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PRODH Antibody (Center) Blocking Peptide - Images

PRODH Antibody (Center) Blocking Peptide - Background

PRODH is a mitochondrial proline dehydrogenase that catalyzes the first step in proline degradation. It converts proline to delta-1-pyrroline-5-carboxylate.

PRODH Antibody (Center) Blocking Peptide - References

Polyak,K., et.al., Nature 389 (6648), 300-305 (1997)Gogos,J.A., et.al., Nat. Genet. 21 (4), 434-439 (1999)