10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

PRODH Antibody (Center) Blocking Peptide - Product Information

Primary Accession	Q9WU79
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 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

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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)