10320 Camino Santa Fe, Suite G
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PRODH2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16627c

Specification

PRODH2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9UF12

PRODH2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 58510

Other Names
Probable proline dehydrogenase 2, Kidney and liver proline oxidase 1, HsPOX1, Probable proline oxidase 2, PRODH2

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.

PRODH2 Antibody (Center) Blocking Peptide - Protein Information

Name PRODH2 (HGNC:17325)

Function
Dehydrogenase that converts trans-4-L-hydroxyproline to delta-1-pyrroline-3-hydroxy-5-carboxylate (Hyp) using ubiquinone-10 as the terminal electron acceptor. Can also use proline as a substrate but with a very much lower efficiency. Does not react with other diastereomers of Hyp: trans-4-D-hydroxyproline and cis-4-L- hydroxyproline. Ubiquininone analogs such as menadione, duroquinone and ubiquinone-1 react more efficiently than oxygen as the terminal electron acceptor during catalysis.

PRODH2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PRODH2 Antibody (Center) Blocking Peptide - Images

PRODH2 Antibody (Center) Blocking Peptide - Background

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The protein encoded by this gene is similar to prolinedehydrogenase (oxidase) 1, a mitochondrial enzyme which catalyzesthe first step in proline catabolism. The function of this proteinhas not been determined.

PRODH2 Antibody (Center) Blocking Peptide - References

Cooper, S.K., et al. J. Biol. Chem. 283(16):10485-10492(2008)