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DHODH Antibody(Center) Blocking peptide
Synthetic peptide
Catalog # BP19419c

Specification

DHODH Antibody(Center) Blocking peptide - Product Information

Primary Accession Q02127

DHODH Antibody(Center) Blocking peptide - Additional Information

Gene ID 1723

Other Names
Dihydroorotate dehydrogenase (quinone), mitochondrial, DHOdehase, Dihydroorotate oxidase, DHODH

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.

DHODH Antibody(Center) Blocking peptide - Protein Information

Name DHODH

Function
Catalyzes the conversion of dihydroorotate to orotate with quinone as electron acceptor. Required for UMP biosynthesis via de novo pathway.

Cellular Location
Mitochondrion inner membrane; Single-pass membrane protein

DHODH Antibody(Center) Blocking peptide - Protocols

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

- Blocking Peptides

DHODH Antibody(Center) Blocking peptide - Images

DHODH Antibody(Center) Blocking peptide - Background

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The protein encoded by this gene catalyzes the fourthenzymatic step, the ubiquinone-mediated oxidation of dihydroorotateto orotate, in de novo pyrimidine biosynthesis. This protein is amitochondrial protein located on the outer surface of the innermitochondrial membrane.

DHODH Antibody(Center) Blocking peptide - References

Hail, N. Jr., et al. Free Radic. Biol. Med. 49(1):109-116(2010)Ng, S.B., et al. Nat. Genet. 42(1):30-35(2010)Grabar, P.B., et al. Ann. Rheum. Dis. 68(8):1367-1368(2009)Pawlik, A., et al. Pharmacogenomics 10(2):303-309(2009)Anney, R.J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1369-1378 (2008) :