

DMGDH Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18005b**Specification**

DMGDH Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9UI17](#)**DMGDH Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 29958**Other Names**

Dimethylglycine dehydrogenase, mitochondrial, ME2GLYDH, DMGDH

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.

DMGDH Antibody (C-term) Blocking Peptide - Protein Information**Name** DMGDH**Function**

Catalyzes the demethylation of N,N-dimethylglycine to sarcosine. Also has activity with sarcosine in vitro.

Cellular Location

Mitochondrion.

DMGDH Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DMGDH Antibody (C-term) Blocking Peptide - Images**DMGDH Antibody (C-term) Blocking Peptide - Background**

This gene encodes an enzyme involved in the catabolism of choline, catalyzing the oxidative

demethylation of dimethylglycine to form sarcosine. The enzyme is found as a monomer in the mitochondrial matrix, and uses flavin adenine dinucleotide and folate as cofactors. Mutation in this gene causes dimethylglycine dehydrogenase deficiency, characterized by a fishlike body odor, chronic muscle fatigue, and elevated levels of the muscle form of creatine kinase in serum.

DMGDH Antibody (C-term) Blocking Peptide - References

Mostowska, A., et al. Eur. J. Oral Sci. 118(4):325-332(2010) Bailey, S.D., et al. Diabetes Care (2010) In press : Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Boyles, A.L., et al. Genet. Epidemiol. 33(3):247-255(2009)