

**SARDH Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9836c****Specification**

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**SARDH Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q9UL12](#)

**SARDH Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 1757

**Other Names**

Sarcosine dehydrogenase, mitochondrial, SarDH, BPR-2, SARDH, DMGDHL1

**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.

**SARDH Antibody (Center) Blocking Peptide - Protein Information**

**Name** SARDH ([HGNC:10536](#))

**Synonyms** DMGDHL1

**Function**

Catalyzes the last step of the oxidative degradation of choline to glycine. Converts sarcosine into glycine.

**Cellular Location**

Mitochondrion matrix {ECO:0000250|UniProtKB:Q64380}

**Tissue Location**

Expressed in pancreas, liver and kidney.

**SARDH Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**SARDH Antibody (Center) Blocking Peptide - Images****SARDH Antibody (Center) Blocking Peptide - Background**

This gene encodes an enzyme localized to the mitochondrial matrix which catalyzes the oxidative demethylation of sarcosine. This enzyme is distinct from another mitochondrial matrix enzyme, dimethylglycine dehydrogenase, which catalyzes a reaction resulting in the formation of sarcosine.

**SARDH Antibody (Center) Blocking Peptide - References**

Franke, B., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 85(3):216-226(2009) Gilbert, J.R., et al. Hum. Hered. 50(3):151-157(2000) Eschenbrenner, M., et al. Genomics 59(3):300-308(1999) Bergeron, F., et al. Eur. J. Biochem. 257(3):556-561(1998)