

**GCDH Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8792a****Specification**

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**GCDH Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q92947](#)**GCDH Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2639**Other Names**

Glutaryl-CoA dehydrogenase, mitochondrial, GCD, GCDH

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8792a](/products/AP8792a) was selected from the N-term region of human GCDH. 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.

**GCDH Antibody (N-term) Blocking Peptide - Protein Information****Name** GCDH**Function**

Catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO(2) in the degradative pathway of L-lysine, L- hydroxylysine, and L-tryptophan metabolism. It uses electron transfer flavoprotein as its electron acceptor. Isoform Short is inactive.

**Cellular Location**

Mitochondrion matrix.

**Tissue Location**

Isoform Long and isoform Short are expressed in fibroblasts and liver

## **GCDH Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **GCDH Antibody (N-term) Blocking Peptide - Images**

## **GCDH Antibody (N-term) Blocking Peptide - Background**

GCDH catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO<sub>2</sub> in the degradative pathway of L-lysine, L-hydroxylysine, and L-tryptophan metabolism. It uses electron transfer flavoprotein as its electron acceptor. Isoform Short is inactive.

## **GCDH Antibody (N-term) Blocking Peptide - References**

Keyser B., et.al., Hum. Mol. Genet. 17:3854-3863(2008).Anikster Y., et.al., Am. J. Hum. Genet. 59:1012-1018(1996).