

GCDH Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12905b**Specification**

GCDH Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q92947](#)**GCDH Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 2639**Other Names**

Glutaryl-CoA dehydrogenase, mitochondrial, GCD, GCDH

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 (C-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 (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GCDH Antibody (C-term) Blocking peptide - Images

GCDH Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family. It catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO₂ in the degradative pathway of L-lysine, L-hydroxylysine, and L-tryptophan metabolism. It uses electron transfer flavoprotein as its electron acceptor. The enzyme exists in the mitochondrial matrix as a homotetramer of 45-kDa subunits. Alternatively spliced transcript variants encoding different isoforms have been identified.

GCDH Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Park, J.D., et al. J. Korean Med. Sci. 25(6):957-960(2010) Strauss, K.A., et al. Brain 133 (PT 1), 76-92 (2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Ganesh, S.K., et al. Nat. Genet. 41(11):1191-1198(2009)