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

Specification

GCDH Antibody (C-term) Blocking peptide - Product Information

Primary 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

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GCDH Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene belongs to the acyl-CoAdehydrogenase family. It catalyzes the oxidative decarboxylation ofglutaryl-CoA to crotonyl-CoA and CO(2) in the degradative pathwayof L-lysine, L-hydroxylysine, and L-tryptophan metabolism. It useselectron transfer flavoprotein as its electron acceptor. The enzymeexists in the mitochondrial matrix as a homotetramer of 45-kDsubunits. Alternatively spliced transcript variants encodingdifferent 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)