

## Product datasheet for **AP51799PU-N**

### GCDH (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Immunohistochemistry on Paraffin Sections:</b> 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 335-365 amino acids from the C-terminal region of Human GCD / GCDH
Specificity:	This antibody recognizes Human GCD / GCDH (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glutaryl-CoA dehydrogenase
Database Link:	<a href="#">Entrez Gene 2639 Human Q92947</a>



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**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 CO(2) 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-kD subunits. Alternatively spliced transcript variants encoding different isoforms have been identified.

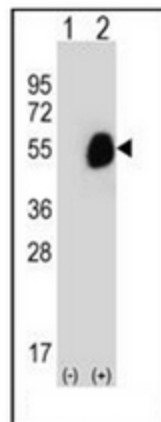
**Synonyms:** Glutaryl-CoA dehydrogenase

**Note:** **Molecular Weight:** 48127 Da

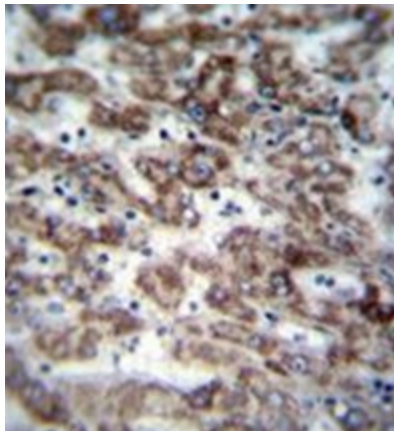
**Protein Families:** Druggable Genome

**Protein Pathways:** Fatty acid metabolism, Lysine degradation, Metabolic pathways, Tryptophan metabolism

### Product images:



Western blot analysis of GCDH (arrow) using GCD / GCDH Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GCDH gene.



Immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue reacted with GCD / GCDH Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.