

Rabbit GCDH Polyclonal Antibody | anti-GCDH antibody

GCDH Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290106	Rabbit	Human (Predicted Reactivity: Bovine, Monkey)	Immunohistochemistry, ELISA, Western Blot

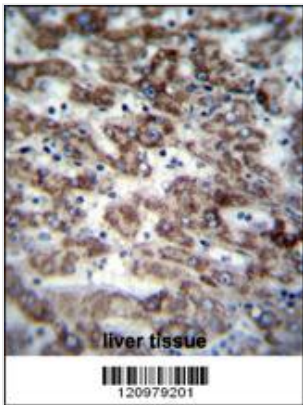
PRODUCT SYNONYMS

GCDH; Polyclonal Antibody; GCDH Antibody (C-term); Glutaryl-CoA dehydrogenase; mitochondrial; GCD; anti-GCDH antibody

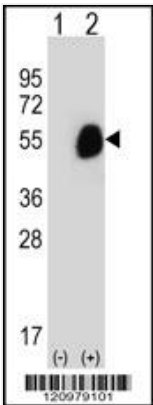
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GCDH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 336-365 amino acids from the C-terminal region of human GCDH.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	336-365
Sequence Length	428
Applicable Applications for anti-GCDH antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
GCDH Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GCDH Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



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

ADDITIONAL INFORMATION

Related Product Information for anti-GCDH antibody	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.
Product Categories/Family for anti-GCDH antibody	Metabolism; Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503943
NCBI GeneID	2639
NCBI Accession #	NP_000150.1; NP_039663.1
NCBI GenBank Nucleotide #	NM_000159.3
UniProt Accession #	Q92947; O14719; A8K2Z2
Molecular Weight	48127
NCBI Official Full Name	glutaryl-CoA dehydrogenase, mitochondrial isoform a
NCBI Official Synonym Full Names	glutaryl-CoA dehydrogenase
NCBI Official Symbol	GCDH
NCBI Official Synonym Symbols	GCD; ACAD5
NCBI Protein Information	glutaryl-CoA dehydrogenase, mitochondrial

UniProt Protein Name	Glutaryl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	GCDH
UniProt Synonym Gene Names	GCD
UniProt Entry Name	GCDH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/gcdh-antibody-immunohistochemistry-western-blot-elisa/290106>