

Rabbit GCDH Polyclonal Antibody | anti-GCDH antibody

GCDH antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199279	Rabbit	Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

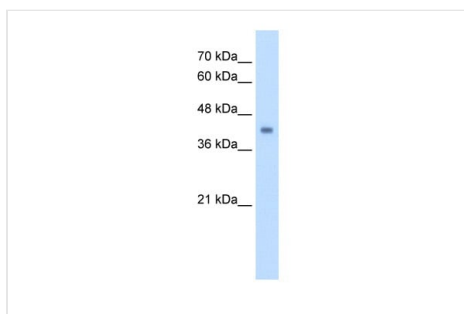
PRODUCT SYNONYMS

GCDH; Polyclonal Antibody; GCDH antibody - C-terminal region; anti-GCDH antibody

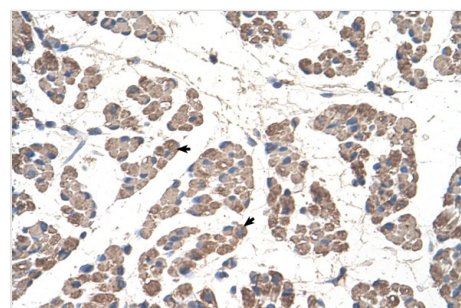
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LA RQARDMLGGN GISDEYHVIR HAMNLEAVNT YEGTHDIHAL ILGRAITG
Sequence Length	438
Applicable Applications for anti-GCDH antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Dog: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human GCDH
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Antibody Titration: 2.5ug/ml Positive Control: HepG2


IHC (Immunohistochemistry)

Human Muscle

ADDITIONAL INFORMATION

Related Product Information for anti-GCDH antibody	This is a rabbit polyclonal antibody against GCDH. It was validated on Western Blot and immunohistochemistry Target Description: GCDH 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.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	Polyclonal; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Drugs and Drug Metabolism; Developmental Biology; Immunohistochemistry; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503943
NCBI GeneID	2639
NCBI Accession #	NP_000150
NCBI GenBank Nucleotide #	NM_000159
UniProt Accession #	Q92947
Molecular Weight	48kDa
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.

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