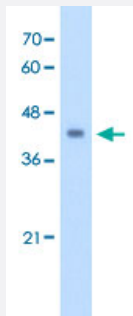


GCDH polyclonal antibody

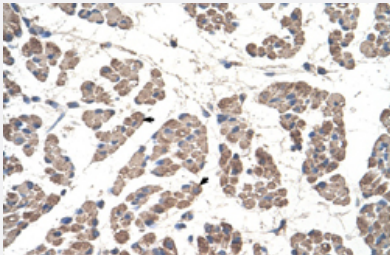
Catalog # PAB30097 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with GCDH polyclonal antibody (Cat # PAB30097) at 2.5 ug/mL working concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human muscle with GCDH polyclonal antibody (Cat # PAB30097) at 4-8 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human GCDH.
Immunogen	A synthetic peptide corresponding to C-terminus of human GCDH.
Sequence	IARQARDMLGGNGISDEYHVIRHAMNLEAVNTYEGTHDIHALILGRAITG
Host	Rabbit
Theoretical MW (kDa)	48
Reactivity	Human
Form	Liquid

Purification	Protein A purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — GCDH

Entrez GeneID	2639
GeneBank Accession#	NM_000159
Protein Accession#	NP_000150:Q92947
Gene Name	GCDH
Gene Alias	ACAD5, GCD
Gene Description	glutaryl-Coenzyme A dehydrogenase
Omim ID	231670 608801
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

glutaryl-CoA dehydrogenase, mitochondrial

Pathway

- [Benzoate degradation via CoA ligation](#)
- [Fatty acid metabolism](#)
- [Lysine degradation](#)
- [Metabolic pathways](#)
- [Tryptophan metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)