

DNAxPAb

Hard-to-Find
Antibody

GCDH DNAxPab

Catalog # H00002639-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GCDH DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MALRGVSVRLLSRGPGLHVLRTWVSSAAQTEKGGRTQSQLAKSSRPEFDWQDPLVLEEQLTTD EILIRDTRFTYCQERLMPRILLANRNEVFHREIISEMGELGVLGPTIKGYGCAGVSSVAYGLLARELE RVDSGYRSAMSVQSSSLVMHPYAYGSEEQRQKYLPLAKGELLGCFGLTEPNSGSDPSSMETRA HYNSSNKS YTLNGTKTWITNSPMADLFV VWARCEDGCIRGFLLEKGM RGLSAPRIQGKFS LRASA TGMIMDGVEVPEENVLP GASSLGGPFGCLNNARYGIAWGV LGASEFCLHTARQYALDRMQFGV PLARNQLIQKKLADMLTEITLGLHACLQLGRLKDQDKAAPMV SLLKRNNCGKALDIARQARDML GGNGISDEYHVIRHAMNLEAVNTYEGTHDIHALILGRAITGIQAF TASK
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — GCDH

Entrez GeneID	2639
GeneBank Accession#	NM_000159.2
Protein Accession#	NP_000150.1
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](#)