

## Product datasheet for **TA332367**

### GCDH Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-GCDH Antibody: synthetic peptide directed towards the C terminal of human GCDH. Synthetic peptide located within the following region: IARQARDMLGGNGISDEYHVIRHAMNLEAVNTYEGTHDIHALILGRAITG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48 kDa
Gene Name:	glutaryl-CoA dehydrogenase
Database Link:	<a href="#">NP_000150</a> <a href="#">Entrez Gene 2639 Human</a> <a href="#">Q92947</a>



[View online »](#)

**Background:** 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.

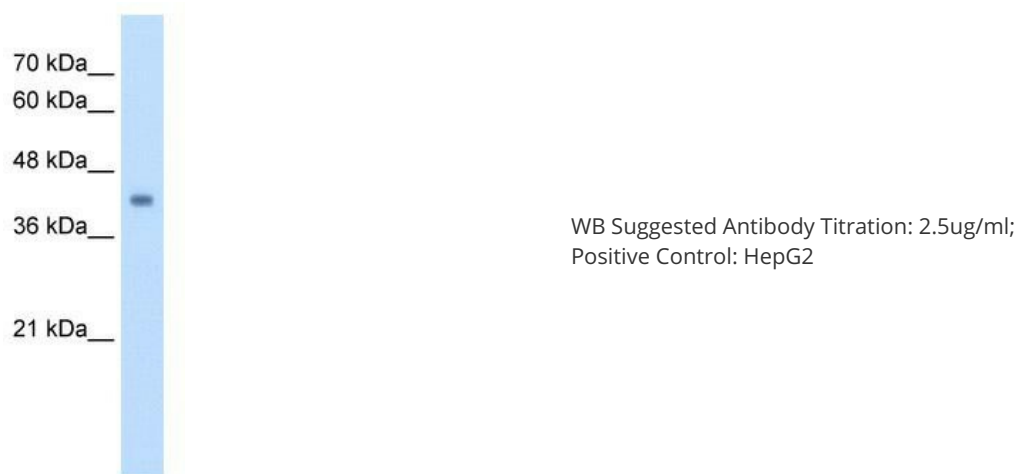
**Synonyms:** ACAD5; GCD

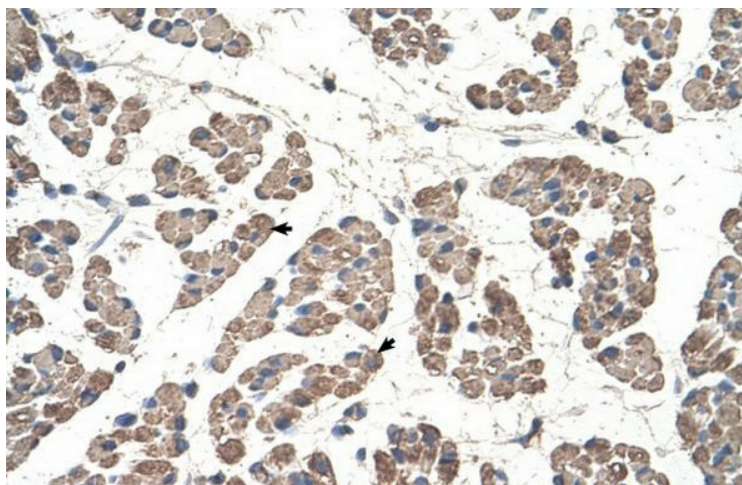
**Note:** Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Zebrafish: 100%

**Protein Families:** Druggable Genome

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

### Product images:





Human Muscle