

## ARG58735 anti-GCDH antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GCDH
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GCDH
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 149-438 of Human GCDH (NP_000150.1).
Conjugation	Un-conjugated
Alternate Names	Glutaryl-CoA dehydrogenase, mitochondrial; EC 1.3.8.6; GCD; ACAD5

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:200 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat liver	
Observed Size	48 kDa	

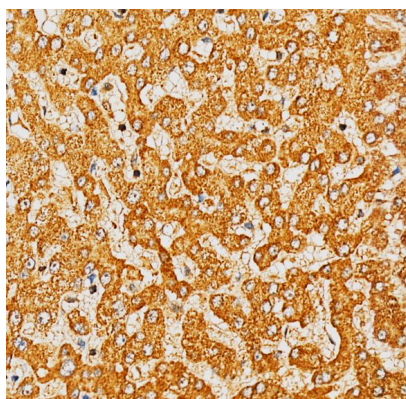
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

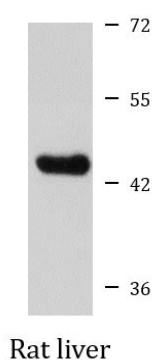
Gene Symbol	GCDH
Gene Full Name	glutaryl-CoA dehydrogenase
Background	The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family. It catalyzes the oxidative decarboxylation of glutaryl-CoA to crotonyl-CoA and CO(2) in the degradative pathway of L-lysine, L-hydroxylysine, and L-tryptophan metabolism. It uses electron transfer flavoprotein as its electron acceptor. The enzyme exists in the mitochondrial matrix as a homotetramer of 45-kD subunits. Mutations in this gene result in the metabolic disorder glutaric aciduria type 1, which is also known as glutaric acidemia type I. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 12. [provided by RefSeq, Mar 2013]
Function	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. Isoform Short is inactive. [UniProt]
Calculated Mw	48 kDa
Cellular Localization	Mitochondrion matrix. [UniProt]

## Images



ARG58735 anti-GCDH antibody IHC-P image

Immunohistochemistry: Human liver stained with ARG58735 anti-GCDH antibody at 1:200 dilution.



ARG58735 anti-GCDH antibody WB image

Western blot: 25 µg of Rat liver lysate stained with ARG58735 anti-GCDH antibody at 1:1000 dilution.