antibodies -online.com







anti-GCDH antibody (AA 149-438)



Image



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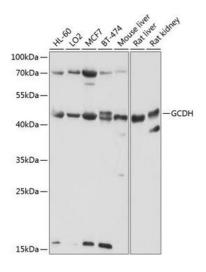
Purification:

Quantity:	100 μL		
Target:	GCDH		
Binding Specificity:	AA 149-438		
Reactivity:	Human		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This GCDH antibody is un-conjugated		
Application:	Western Blotting (WB)		
Product Details			
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 149-438 of human GCDH (NP_000150.1).		
Sequence:	MHPIYAYGSE EQRQKYLPQL AKGELLGCFG LTEPNSGSDP SSMETRAHYN SSNKSYTLNG TKTWITNSPM ADLFVVWARC EDGCIRGFLL EKGMRGLSAP RIQGKFSLRA SATGMIIMDG VEVPEENVLP GASSLGGPFG CLNNARYGIA WGVLGASEFC LHTARQYALD RMQFGVPLAR NQLIQKKLAD MLTEITLGLH ACLQLGRLKD QDKAAPEMVS LLKRNNCGKA LDIARQARDM LGGNGISDEY HVIRHAMNLE AVNTYEGTHD IHALILGRAI TGIQAFTASK		
Isotype:	IgG		
Cross-Reactivity:	Human, Mouse, Rat		
Characteristics:	Polyclonal Antibodies		

Affinity purification

Target Details

Target:	GCDH		
Alternative Name:	GCDH (GCDH Products)		
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 o		
	this gene results in multiple transcript variants. A related pseudogene has been identified on		
	chromosome 12.,GCDH,ACAD5,GCD,Cancer,Signal Transduction,Endocrine &		
	Metabolism,Mitochondrial metabolism,Mitochondrial markers,Amino acid metabolism,GCDH		
Molecular Weight:	47 kDa/48 kDa		
Gene ID:	2639		
UniProt:	Q92947		
Application Details			
Application Notes:	WB,1:200 - 1:2000		
Comment:	HIGH QUALITY		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		
	should be handled by trained staff only.		
Storage:	should be handled by trained staff only. -20 °C		



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using GCDH antibody (ABIN6132101, ABIN6141009, ABIN6141010 and ABIN6224875) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 μg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.