Datasheet for ABIN1713809

anti-GCDH antibody (AA 201-300)

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Overview

Quantity:	100 µL
Target:	GCDH
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCDH antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GCDH
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	GCDH
Alternative Name:	GCDH (GCDH Products)

Target Details

Background:	Synonyms: ACAD5, EC 1.3.99.7, GCD, Gcdh, GCDH_HUMAN, Glutaryl CoA dehydrogenase, mitochondrial, Glutaryl Coenzyme A dehydrogenase, Glutaryl-CoA dehydrogenase, mitochondrial, MS781. Background: GCDH is a 438 amino acid protein that localizes to the mitochondrial matrix and belongs to the acyl-CoA dehydrogenase family. Existing as a homotetramer, GCDH uses FAD as a cofactor to catalyze 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. While GCDH exists as both a long and short isoform, only the long isoform is a functionally active protein. Defects in the gene encoding GCDH are the cause of glutaric acidemia type I (GA-I), an autosomal recessive disorder that is characterized by the accumulation of glutaconic acid and is associated with such symptoms as progressive dystonia and athetosis due to gliosis and neuronal loss in the basal ganglia.
Gene ID:	2639

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months