

Recombinant

DGRmAb®

GCDH (DGR20344) Rabbit mAb

db14295

Package : 10µL 20µL 50µL 100µL

Product Name : GCDH (DGR20344) Rabbit mAb**Cat.No.:** db14295**Synonyms :** GCD; ACAD5**Application :** WB, FC**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**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]

Immunogen

A synthetic peptide of human GCDH

Gene ID

2639

Swiss Prot

Q92947

Synonyms

GCD; ACAD5

Reactivity

Human,Mouse,Rat

Application

WB, FC

Recommended dilution

WB: 1:1000-1:5000

FC: 1:50-1:100

Calculated MW

48 kDa

Observed MW

48 kDa

Host species

Rabbit

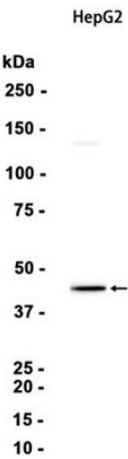
Clonality

Monoclonal

Clonality No.

DGR20344

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HepG2 cells using db14295 at 1:1000.