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# GCDH Polyclonal Antibody

(Catalog # A72780)

**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.

**Description**
GCDH Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

**Formulation**
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Specificity**
Human, Mouse, Rat

**Isotype**
IgG

**Uniprot ID**
Q92947

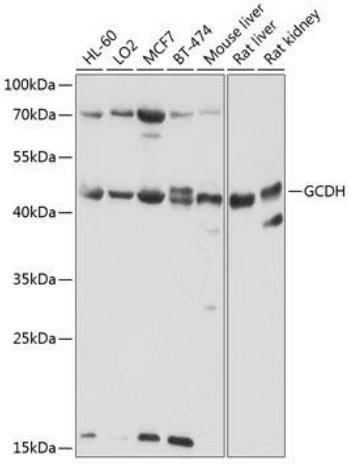
**Purification**
Affinity Purification

**Immunogen**
Recombinant fusion protein containing a sequence corresponding to amino acids 149-438 of human GCDH (NP_000150.1).

**Storage**
Shipped at 4°C. Upon receipt, store at -20°C. Avoid freeze / thaw cycles

**Alternative Names**
GCDH; ACAD5; GCD; glutaryl-CoA dehydrogenase

**Application**
WB; Recommended dilution: WB 1:200 - 1:2000




Western blot analysis of extracts of various cell lines, using GCDH Polyclonal Antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Exposure time: 30s.