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# GCDH Polyclonal Antibody

(Catalog # A66898)

**Background**
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.

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

**Formulation**
Liquid. 0.03% Proclin 300, 50% Glycerol, 0.01M PBS, PH 7.4.

**Specificity**
Human, Mouse

**Isotype**
IgG

**Uniprot ID**
Q92947

**Purification**
>95%, Protein G purified

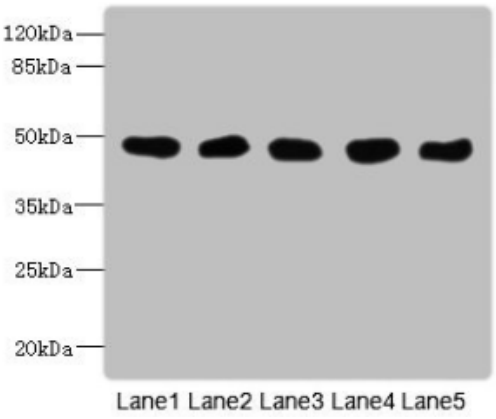
**Immunogen**
Recombinant Human Glutaryl-CoA dehydrogenase, mitochondrial protein (45-300AA)

**Storage**
Shipped at 4°C. Upon delivery aliquot and store at -20°C (short-term) or -80°C (long-term). Avoid repeated freeze.

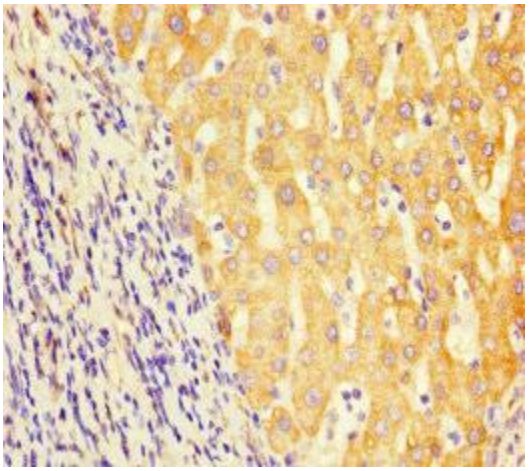
**Alternative Names**
Glutaryl-CoA dehydrogenase, mitochondrial, GCD, GCDH

**Application**
ELISA, WB, IHC, IP; Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IP:1:200-1:2000

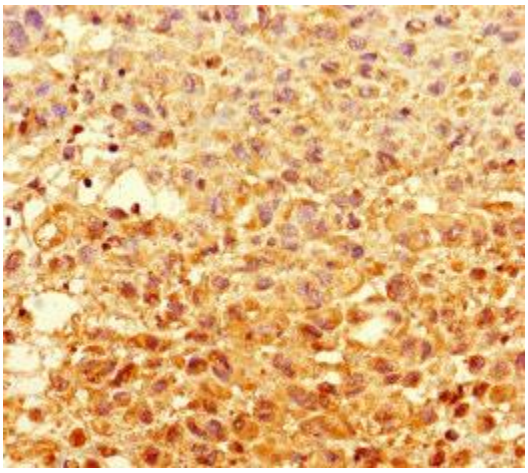
 



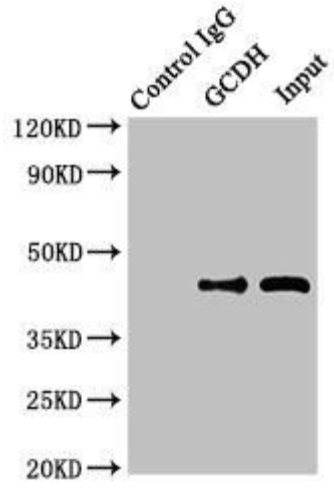

Western Blot
All lanes: GCDH Polyclonal Antibody at 8ug/ml
Lane 1: Mouse kidney tissue
Lane 2: Mouse liver tissue
Lane 3: Hela whole cell lysate
Lane 4: MCF7 whole cell lysate
Lane 5: LO2 whole cell lysate
Secondary
Goat polyclonal to rabbit IgG at 1/10000 dilution
Predicted band size: 49, 48 kDa
Observed band size: 48 kDa



Immunohistochemistry of paraffin-embedded human liver cancer using GCDH Polyclonal Antibody at dilution of 1:100



Immunohistochemistry of paraffin-embedded human melanoma cancer using GCDH Polyclonal Antibody at dilution of 1:100




Immunoprecipitating GCDH in Hela whole cell lysate
Lane 1: Rabbit monoclonal IgG (1 ug) in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
Lane 2: GCDH Polyclonal Antibody (8 ug) + Hela whole cell lysate (500 ug)
Lane 3: Hela whole cell lysate (10 ug)