

## Rabbit anti-Human GCDH Polyclonal Antibody | anti-GCDH antibody

GCDH Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA229439 | Rabbit | Human      | Immunohistochemistry, Western Blot, ELISA |

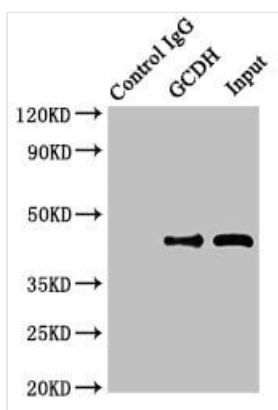
### PRODUCT SYNONYMS

GCDH; Polyclonal Antibody; GCDH Antibody; Glutaryl-CoA dehydrogenase; mitochondrial; GCD; anti-GCDH antibody

### PRODUCT SPECIFICATIONS

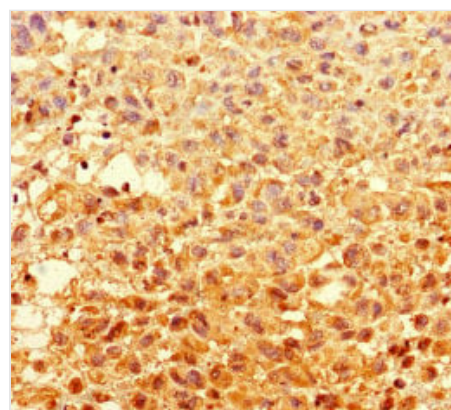
|                                                |                                                                                          |
|------------------------------------------------|------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                   |
| Reactivity                                     | Human                                                                                    |
| Clonality                                      | Polyclonal                                                                               |
| Isotype                                        | IgG                                                                                      |
| Purity/Purification                            | >95%,Protein G purified                                                                  |
| Form/Format                                    | Liquid                                                                                   |
| Sequence Length                                | 438                                                                                      |
| Applicable Applications for anti-GCDH antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                     |
| Immunogen                                      | Recombinant human Glutaryl-CoA dehydrogenase, mitochondrial protein                      |
| Conjugation                                    | Non-conjugated                                                                           |
| Storage Buffer                                 | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4            |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-133610           |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C. |

### IMAGES



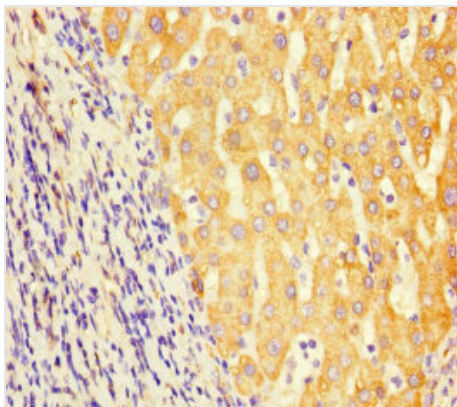
#### IP (Immunoprecipitation)

Immunoprecipitating GCDH in HeLa whole cell lysate Lane 1: Rabbit monoclonal IgG (1ug) instead of AAA229439 in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA229439 (8ug)+ HeLa whole cell lysate (500ug) Lane 3: HeLa whole cell lysate (10ug)



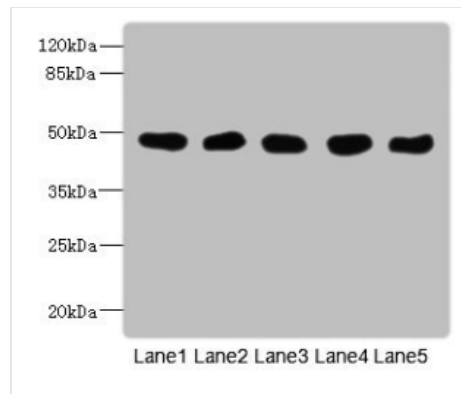
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human melanoma cancer using AAA229439 at dilution of 1:100



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using AAA229439 at dilution of 1:100



#### WB (Western Blot)

Western Blot All lanes: GCDH 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

## ADDITIONAL INFORMATION

#### Related Product Information for anti-GCDH antibody

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.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 4503943                                             |
| NCBI GeneID                      | 2639                                                |
| NCBI Accession #                 | NP_000150.1                                         |
| NCBI GenBank Nucleotide #        | NM_000159.3                                         |
| UniProt Accession #              | Q92947; O14719; A8K2Z2                              |
| Molecular Weight                 | 47,355 Da                                           |
| NCBI Official Full Name          | glutaryl-CoA dehydrogenase, mitochondrial isoform a |
| NCBI Official Synonym Full Names | glutaryl-CoA dehydrogenase                          |
| NCBI Official Symbol             | GCDH                                                |
| NCBI Official Synonym Symbols    | GCD; ACAD5                                          |
| NCBI Protein Information         | glutaryl-CoA dehydrogenase, mitochondrial           |
| UniProt Protein Name             | Glutaryl-CoA dehydrogenase, mitochondrial           |
| UniProt Gene Name                | <b>GCDH</b>                                         |
| UniProt Synonym Gene Names       | GCD                                                 |
| UniProt Entry Name               | GCDH_HUMAN                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gcdh-antibody-immunohistochemistry-western-blot-elisa/229439>