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# DMGDH Polyclonal Antibody

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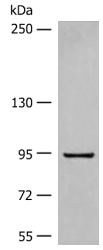
|---|---|---|---|
| **Catalog No.** | E-AB-17889 | **Reactivity** | H |
| **Storage** | Store at -20℃. Avoid freeze / thaw cycles. | **Host** | Rabbit |
| **Applications** | WB,ELISA | **Isotype** | IgG |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Images




Western blot analysis of Human fetal liver tissue lysate using DMGDH Polyclonal Antibody at dilution of 1:800

## Immunogen Information

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|---|---|
| **Immunogen** | Synthetic peptide of human DMGDH |
| **Gene Accession** | NP037523 |
| **Swissprot** | Q9UI17 |
| **Synonyms** | Dimethylglycine dehydrogenase,Dimethylglycine dehydrogenase,mitochondrial,Dmgdh,M2GD,ME2GLYDH,mitochondrial |

## Product Information

| | |
|---|---|
| **Calculated MW** | 97 kDa |
| **Observed MW** | Refer to figures |
| **Buffer** | PBS with 0.05% NaN3 and 40% Glycerol,pH7.4 |
| **Purify** | Antigen affinity purification |
| **Dilution** | WB 1:500-1:2000, ELISA 1:5000-1:10000 |

## Background

This gene encodes an enzyme involved in the catabolism of choline, catalyzing the oxidative demethylation of dimethylglycine to form sarcosine. The enzyme is found as a monomer in the mitochondrial matrix, and uses flavin adenine dinucleotide and folate as cofactors. Mutation in this gene causes dimethylglycine dehydrogenase deficiency, characterized by a fishlike body odor, chronic muscle fatigue, and elevated levels of the muscle form of creatine kinase in serum. Alternative splicing results in multiple transcript variants.