





DMGDH Monoclonal Antibody

from betaine: step 2/2.,similarity:Belongs to the gcvT family.,subunit:Monomer., 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.		
Reactivity Human;Rat;Mouse; Applications WB Gene Name DMGDH Protein Name Dimethylglycine dehydrogenase mitochondrial Immunogen The antiserum was produced against synthesized peptide derived from human DMGDH. AA range:817-866 Specificity DMGDH Monoclonal Antibody detects endogenous levels of DMGDH protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse,IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms DMGDH; Dimethylglycine dehydrogenase; mitochondrial; ME2GLYDH Observed Band 97kD Cell Pathway Mitochondrion. Tissue Specificity Kidney,Trachea, catalytic activity:N,N-dimethylglycine + acceptor + H(2)O = sarcosine + formaidehyde + reduced acceptor, cofactor: Binds 1 FAD covalently per monomer, disease: Defects in DMGDH are the cause of DMGDH deficiency (DMGPHD) (Milh:609850), DMGDHD is a disorder characterized by ish dor, muscle fatigue with increased serum creatine kinses. Biochemically it is characterized by an increase of N,N-dimethylglycine, betaine degradation; sarcosil from betaine: step 2/2, similarity. Belongs to the gevT Tamily, subunit:Monomer. This gene encodes a nerzyme 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 sink like body dod, ronoic muscle dehydrogenase deficiency, characterized by sink like body dod, ronoic muscle dehydrogenase deficiency, characterized by sink like body dod, ronoic muscle	Catalog No	YP-mAb-02623
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UpingBio technology Co.,Ltd







Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],

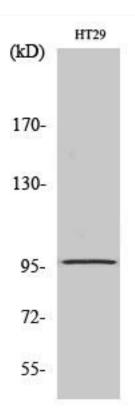
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using DMGDH Monoclonal Antibody