

## **Product Name: DMGDH Rabbit Monoclonal Antibody**

Catalog #: AMRe87238

For research use only.

### **Summary**

**Description** Recombinant rabbit monoclonal antibody

Host Rabbit
Application WB,IHC,IP
Reactivity Human

ConjugationUnconjugatedModificationUnmodified

**Isotype** IgG

Clonality Monoclonal
Form Liquid

Concentration

Storage Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.

**Shipping** Ice bags

Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and **Buffer** 

0.05% protective protein. Stable for 12 months from date of receipt.

**Purification** Affinity Purification

## **Application**

**Dilution Ratio** WB 1:500-1:2000,IHC 1:50-1:200,IP 1:50-1:100

Molecular Weight Calculated MW:97 kDa; Observed MW:97 kDa

## **Antigen Information**

Gene Name DMGDH

Alternative Names DMGDHD; ME2GLYDH

 Gene ID
 29958

 SwissProt ID
 Q9UI17

**Immunogen** A synthetic peptide of human DMGDH

# **Background**

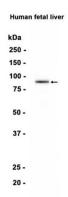
This gene encodes an enzyme involved in the catabolism of choline, catalyzing the oxidative demethylation of dimethylglycine to form sarcosine. The enzyme is found as a monomer in the mitochondrial matrix, and uses flavin adenine dinucleotide and



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. [provided by RefSeq, Jul 2013]

#### **Research Area**

## **Image Data**



Western blot analysis of extracts from Human fetal liver tissue using DMGDH Rabbit Monoclonal Antibody at 1:1000.

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