

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

Human fetal liver

kDa

250 -

150 -

100 -

75 -

50 -

37 -

25 -

20 -

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