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DMGDH Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18005B

Specification

DMGDH Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9UI17
Other Accession	NP_037523.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**96811**
Antigen Region	**836-864**

DMGDH Antibody (C-term) - Additional Information

Gene ID 29958

Other Names
Dimethylglycine dehydrogenase, mitochondrial, ME2GLYDH, DMGDH

Target/Specificity
This DMGDH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 836-864 amino acids from the C-terminal region of human DMGDH.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DMGDH Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DMGDH Antibody (C-term) - Protein Information

Name DMGDH

Function Catalyzes the demethylation of N,N-dimethylglycine to sarcosine. Also has activity with

sarcosine in vitro.

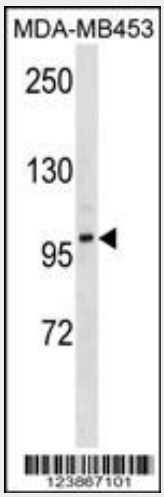
Cellular Location
Mitochondrion.

DMGDH Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DMGDH Antibody (C-term) - Images



DMGDH Antibody (C-term) (Cat. #AP18005b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the DMGDH antibody detected the DMGDH protein (arrow).

DMGDH Antibody (C-term) - 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.

DMGDH Antibody (C-term) - References

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Bailey, S.D., et al. Diabetes Care (2010) In press :

Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
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