

DMGDH Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02645
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human DMGDH. AA range:817-866
Mol wt	96807
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	DMGDH Antibody
Synonyms	DMGDH; Dimethylglycine dehydrogenase; mitochondrial; ME2GLYDH

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

DMGDH encodes an enzyme involved in the catabolism of choline, catalyzing the oxidative demethylation of dimethylglycine to form sarcosine. The enzyme (dimethylglycine dehydrogenase) 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.

Recommended Dilution

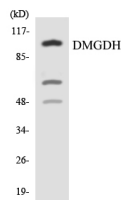
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 20000

Not yet tested in other applications.

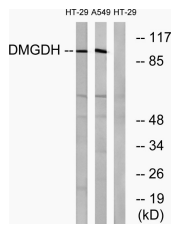
Images



Western blot analysis of the lysates from HeLa cells using DMGDH antibody.



Western Blot analysis of various cells using DMGDH Polyclonal Antibody



Western blot analysis of lysates from HT-29 and A549 cells, using DMGDH Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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