

Datasheet for ABIN7180160
anti-DMGDH antibody (C-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	DMGDH
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DMGDH antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized peptide derived from C-terminal of Human DMGDH.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	DMGDH
Alternative Name:	DMGDH (DMGDH Products)
Background:	Background: This gene encodes an enzyme involved in the catabolism of choline, catalyzing the

Target Details

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.

Binzak B.A., Mol. Genet. Metab. 69:181-187(2000).

Binzak B.A., Am. J. Hum. Genet. 68:839-847(2001).

Moolenaar S.H., Clin. Chem. 45:459-464(1999)

Aliases: Dimethylglycine dehydrogenase antibody, Dimethylglycine dehydrogenase, mitochondrial antibody, Dmgdh antibody, M2GD_HUMAN antibody, ME2GLYDH antibody, mitochondrial antibody

UniProt: [Q9UI17](#)

Application Details

Application Notes: WB:1:500-1:3000,

Restrictions: For Research Use only

Handling

Format: Liquid

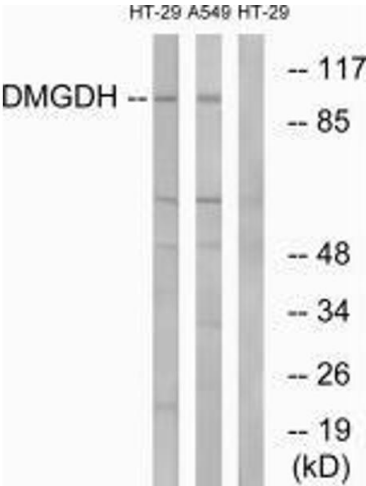
Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from HT-29 cells and A549 cells, using DMGDH antibody.