



DMGDH rabbit pAb

Cat No.:ES2179

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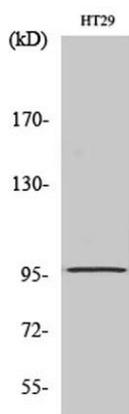
Overview

Product Name	DMGDH rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human DMGDH. AA range:817-866
Specificity	DMGDH Polyclonal Antibody detects endogenous levels of DMGDH protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Dimethylglycine dehydrogenase mitochondrial
Gene Name	DMGDH
Cellular localization	Mitochondrion.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	97kD
Human Gene ID	29958
Human Swiss-Prot Number	Q9UI17
Alternative Names	DMGDH; Dimethylglycine dehydrogenase; mitochondrial; ME2GLYDH
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

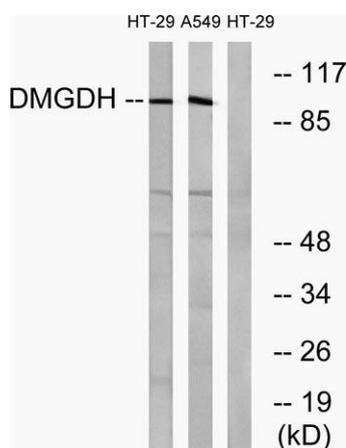




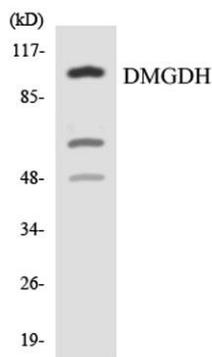
dinucleotide and folate as cofactors. Mutation in this gene causes dimethylglycine dehydrogenase deficiency, characterized by a fishlike body odor, chronic muscle fatigue, and elevated levels of the muscle form of creatine kinase in serum. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],



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.

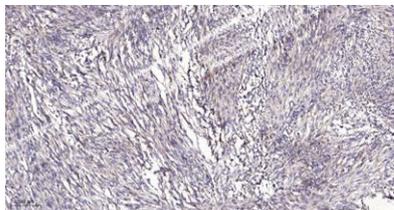


Western blot analysis of the lysates from HeLa cells using DMGDH antibody.





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Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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