

产品名称: DMGDH Rabbit Polyclonal Antibody
产品货号: APRab10036



产品概述 (Summary)

产品名称 (Production Name)	DMGDH Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DMGDH
别名 (Alternative Names)	DMGDH; Dimethylglycine dehydrogenase; mitochondrial; ME2GLYDH
基因 ID (Gene ID)	29958.0
蛋白 ID (SwissProt ID)	Q9UI17.The antiserum was produced against synthesized peptide derived from human DMGDH. AA range:817-866

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	97kDa

研究背景 (Background)

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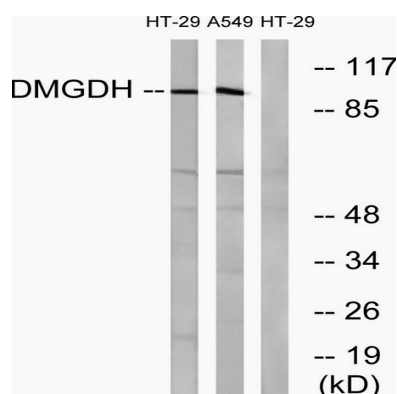


This gene encodes an enzyme involved in the catabolism of choline, catalyzing the oxidative demethylation of dimethylglycine to form sarcosine. The enzyme is found as a monomer in the mitochondrial matrix, and uses flavin adenine dinucleotide and folate as cofactors. Mutation in this gene causes dimethylglycine 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],catalytic activity:N,N-dimethylglycine + acceptor + H(2)O = sarcosine + formaldehyde + reduced acceptor.,cofactor: Binds 1 FAD covalently per monomer.,disease: Defects in DMGDH are the cause of DMGDH deficiency (DMGDHD) [MIM:605850]. DMGDHD is a disorder characterized by fish odor, muscle fatigue with increased serum creatine kinase. Biochemically it is characterized by an increase of N,N-dimethylglycine (DMG) in serum and urine.,pathway: Amine and polyamine degradation; betaine degradation; sarcosine from betaine: step 2/2.,similarity: Belongs to the gcvT family.,subunit: Monomer.,

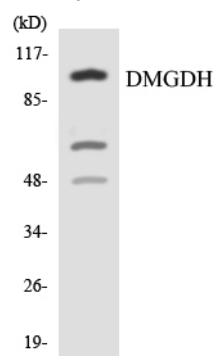
研究领域 (Research Area)

Glycine; serine and threonine metabolism;

图片 (Image Data)

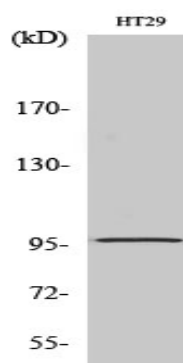


Western blot analysis of lysates from HT-29 and A549 cells, using DMGDH Antibody. The lane on the right is blocked with the synthesized peptide.



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

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Western Blot analysis of various cells using DMGDH Polyclonal Antibody

注意事项 (Note)

For research use only .