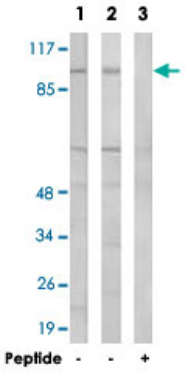
DMGDH polyclonal antibody

Catalog # PAB17693 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HT-29 cells (Lane 1 and lane 3) and A-549 cells (Lane 2), using DMGDH polyclonal antibody (Cat # PAB17693). Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DMGDH.
Immunogen	A synthetic peptide corresponding to C-terminus of human DMGDH.
Host	Rabbit
Reactivity	Human
Specificity	This antibody detects endogenous levels of total DMGDH protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — DMGDH

Entrez GeneID	29958
Protein Accession#	Q9UI17
Gene Name	DMGDH
Gene Alias	DMGDHD, ME2GLYDH
Gene Description	dimethylglycine dehydrogenase
Omim ID	605849 605850
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme involved in the catabolism of choline, catalyzing the oxidative dem ethylation of dimethylglycine to form sarcosine. The enzyme is found as a monomer in the mitocho ndrial matrix, and uses flavin adenine dinucleotide and folate as cofactors. Mutation in this gene c auses dimethylglycine dehydrogenase deficiency, characterized by a fishlike body odor, chronic muscle fatigue, and elevated levels of the muscle form of creatine kinase in serum. [provided by R efSeq
Other Designations	-

Pathway

- Glycine
- Metabolic pathways

Disease

- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease