

## Rabbit anti-Human DMGDH Polyclonal Antibody | anti-DMGDH antibody

DMGDH Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA324666 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

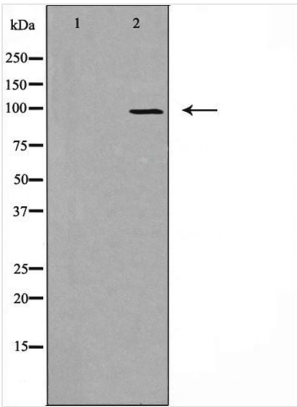
### PRODUCT SYNONYMS

DMGDH; Polyclonal Antibody; DMGDH Antibody; Dimethylglycine dehydrogenase; mitochondrial; Dmgdh; M2GD\_HUMAN; ME2GLYDH; anti-DMGDH antibody

### PRODUCT SPECIFICATIONS

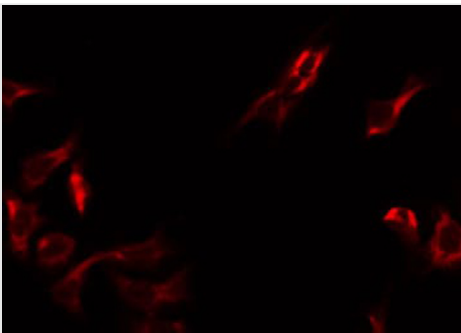
|                                                 |                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                        |
| Reactivity                                      | Human                                                                                         |
| Clonality                                       | Polyclonal                                                                                    |
| Isotype                                         | IgG                                                                                           |
| Specificity                                     | DMGDH antibody detects endogenous levels of total DMGDH                                       |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                 | 866                                                                                           |
| Applicable Applications for anti-DMGDH antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                       | A synthesized peptide                                                                         |
| Subcellular Location                            | Mitochondrion.                                                                                |
| Predicted Cross Reactivity                      | <b>Pig, Bovine, Horse, Sheep</b>                                                              |
| Similarity                                      | Pig (100%), Bovine (86%), Horse (90%), Sheep (90%)                                            |
| Conjugation                                     | Unconjugated                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

IMAGES



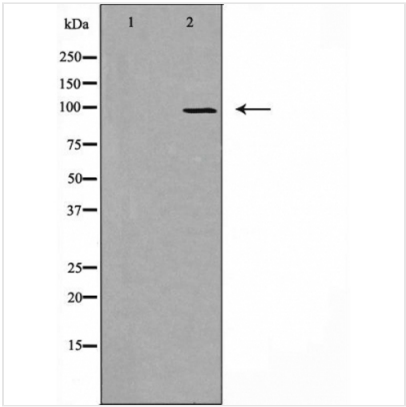
WB (Western Blot)

Western blot analysis of extracts from HT-29 cells using DMGDH antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324666 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HT-29 cells using DMGDH antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                  |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DMGDH antibody | Function: Catalyzes the demethylation of N, N-dimethylglycine to sarcosine. Also has activity with sarcosine in vitro.<br>Subunit Structure: Monomer.<br>Similarity: Belongs to the GcvT family. |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 24797151                                     |
| NCBI GeneID                      | 29958                                        |
| NCBI Accession #                 | NP_037523.2                                  |
| NCBI GenBank Nucleotide #        | NM_013391.3                                  |
| UniProt Accession #              | Q9UI17; B2RBN0; B4E1J9                       |
| Molecular Weight                 | Observed: 97 kD<br>Predicted: 97 kDa         |
| NCBI Official Full Name          | dimethylglycine dehydrogenase, mitochondrial |
| NCBI Official Synonym Full Names | dimethylglycine dehydrogenase                |
| NCBI Official Symbol             | DMGDH                                        |

|                               |                                              |
|-------------------------------|----------------------------------------------|
| NCBI Official Synonym Symbols | DMGDHD; ME2GLYDH                             |
| NCBI Protein Information      | dimethylglycine dehydrogenase, mitochondrial |
| UniProt Protein Name          | Dimethylglycine dehydrogenase, mitochondrial |
| UniProt Gene Name             | <b>DMGDH</b>                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/dmgdh-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324666>