

# KD-Validated Anti-GBE1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2056

## Product Information

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| <b>Application</b>       | WB                                                                                                                                                                                                                                                                                                                                                       |
| <b>Primary Accession</b> | <a href="#">Q04446</a>                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>        | Human                                                                                                                                                                                                                                                                                                                                                    |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype</b>           | Mouse IgG1                                                                                                                                                                                                                                                                                                                                               |
| <b>Clone Names</b>       | 24GB13015                                                                                                                                                                                                                                                                                                                                                |
| <b>Calculated MW</b>     | 80474                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>         | GBE1                                                                                                                                                                                                                                                                                                                                                     |
| <b>Aliases</b>           | GBE1; 1,4-Alpha-Glucan Branching Enzyme 1; Glucan (1,4-Alpha-), Branching Enzyme 1; 1,4-Alpha-Glucan-Branching Enzyme; Glycogen Branching Enzyme; Brancher Enzyme; EC 2.4.1.18; Amylo-(1,4 To 1,6) Transglucosidase; Amylo-(1,4 To 1,6) Transglycosylase; Glycogen Storage Disease Type IV; Glycogen-Branching Enzyme; Andersen Disease; APBD; GSD4; GBE |
| <b>Immunogen</b>         | Recombinant protein of human GBE1                                                                                                                                                                                                                                                                                                                        |

## Additional Information

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| <b>Gene ID</b>     | 2632                                                                                           |
| <b>Other Names</b> | 1, 4-alpha-glucan-branching enzyme, 2.4.1.18, Brancher enzyme, Glycogen-branching enzyme, GBE1 |

## Protein Information

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| <b>Name</b>     | GBE1                                                                                                                                                                                                                                                                                                                                                           |
| <b>Function</b> | Glycogen-branching enzyme participates in the glycogen biosynthetic process along with glycogenin and glycogen synthase. Generates alpha-1,6-glucosidic branches from alpha-1,4-linked glucose chains, to increase solubility of the glycogen polymer (PubMed: <a href="#">26199317</a> , PubMed: <a href="#">8463281</a> , PubMed: <a href="#">8613547</a> ). |

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