

# Anti-AGL Rabbit Monoclonal Antibody

Catalog # ABO16180

## Product Information

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, FC                                                                                                                       |
| <b>Primary Accession</b> | <a href="#">P35573</a>                                                                                                                     |
| <b>Host</b>              | Rabbit                                                                                                                                     |
| <b>Isotype</b>           | IgG                                                                                                                                        |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                          |
| <b>Clonality</b>         | Monoclonal                                                                                                                                 |
| <b>Format</b>            | Liquid                                                                                                                                     |
| <b>Description</b>       | Anti-AGL Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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| <b>Gene ID</b>             | 178                                                                                                                                                                                                                                |
| <b>Other Names</b>         | Glycogen debranching enzyme, Glycogen debrancher, 4-alpha-glucanotransferase, 2.4.1.25, Oligo-1, 4-1, 4-glucantransferase, Amylo-alpha-1, 6-glucosidase, Amylo-1, 6-glucosidase, 3.2.1.33, Dextrin 6-alpha-D-glucosidase, AGL, GDE |
| <b>Calculated MW</b>       | 174764                                                                                                                                                                                                                             |
| <b>Application Details</b> | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50                                                                                                                                                                  |
| <b>Source</b>              | Eukaryota                                                                                                                                                                                                                          |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                |
| <b>Clone Names</b>         | Clone: 27A59                                                                                                                                                                                                                       |
| <b>Immunogen</b>           | A synthesized peptide derived from human AGL                                                                                                                                                                                       |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                                                                                                            |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                                                                         |

## Protein Information

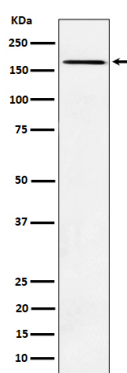
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|             |     |
|-------------|-----|
| <b>Name</b> | AGL |
|-------------|-----|

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>          | GDE                                                                                                                                                                                                                                              |
| <b>Function</b>          | Multifunctional enzyme acting as 1,4-alpha-D-glucan:1,4- alpha-D-glucan 4-alpha-D-glycosyltransferase and amylo-1,6-glucosidase in glycogen degradation.                                                                                         |
| <b>Cellular Location</b> | Cytoplasm. Note=Under glycogenolytic conditions localizes to the nucleus                                                                                                                                                                         |
| <b>Tissue Location</b>   | Liver, kidney and lymphoblastoid cells express predominantly isoform 1; whereas muscle and heart express not only isoform 1, but also muscle-specific isoform mRNAs (isoforms 2, 3 and 4). Isoforms 5 and 6 are present in both liver and muscle |

## Images

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Western blot analysis of AGL expression in K562 cell lysate.

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