



# G6PC mouse mAb

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| <b>Catalog No</b>                | YP-mAb-17245                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                   | IgG                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>                | Human, Mouse,Rat                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>              | WB                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>                 | G6PC G6PT                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Name</b>              | Glucose-6-phosphatase (G-6-Pase) (G6Pase) (EC 3.1.3.9)<br>(Glucose-6-phosphatase alpha) (G6Pase-alpha)                                                                                                                                                                                                                          |
| <b>Immunogen</b>                 | Synthesized peptide derived from human C-ternal G6PC                                                                                                                                                                                                                                                                            |
| <b>Specificity</b>               | This antibody detects endogenous levels of G6PC at Human, Mouse,Rat                                                                                                                                                                                                                                                             |
| <b>Formulation</b>               | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                  |
| <b>Source</b>                    | Mouse,Monoclonal                                                                                                                                                                                                                                                                                                                |
| <b>Purification</b>              | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                            |
| <b>Dilution</b>                  | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>             | 1 mg/ml                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>                    | ≥90%                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Stability</b>         | -20°C/1 year                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>                  | Glucose-6-phosphatase (G-6-Pase) (G6Pase) (EC 3.1.3.9)<br>(Glucose-6-phosphatase alpha) (G6Pase-alpha)                                                                                                                                                                                                                          |
| <b>Observed Band</b>             |                                                                                                                                                                                                                                                                                                                                 |
| <b>Cell Pathway</b>              | Endoplasmic reticulum membrane ; Multi-pass membrane protein .                                                                                                                                                                                                                                                                  |
| <b>Tissue Specificity</b>        |                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>                  | Hydrolyzes glucose-6-phosphate to glucose in the endoplasmic reticulum. Forms with the glucose-6-phosphate transporter (SLC37A4/G6PT) the complex responsible for glucose production in the terminal step of glycogenolysis and gluconeogenesis. Hence, it is the key enzyme in homeostatic regulation of blood glucose levels. |
| <b>Background</b>                |                                                                                                                                                                                                                                                                                                                                 |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                            |
| <b>Usage suggestions</b>         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.                                                                                                                                                                                               |



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