

# Anti-Phospho-Glycogen synthase 1 (S641) GYS1 Rabbit Monoclonal Antibody

Catalog # ABO13210

## Product Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP                                                                                                                                          |
| <b>Primary Accession</b> | <a href="#">P13807</a>                                                                                                                                        |
| <b>Host</b>              | Rabbit                                                                                                                                                        |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                                    |
| <b>Reactivity</b>        | Human, Mouse                                                                                                                                                  |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                    |
| <b>Format</b>            | Liquid                                                                                                                                                        |
| <b>Description</b>       | Anti-Phospho-Glycogen synthase 1 (S641) GYS1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse. |

## Additional Information

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| <b>Gene ID</b>             | 2997                                                                                                                                       |
| <b>Other Names</b>         | Glycogen [starch] synthase, muscle, 2.4.1.11, GYS1 ( <a href="#">HGNC:4706</a> ), GYS                                                      |
| <b>Calculated MW</b>       | 83786                                                                                                                                      |
| <b>Application Details</b> | WB 1:1000-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 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: DCH-7                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human Phospho-Glycogen synthase 1 (S641)                                                                |
| <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> | GYS1 ( <a href="#">HGNC:4706</a> ) |
|-------------|------------------------------------|

**Synonyms**

GYS

**Function**

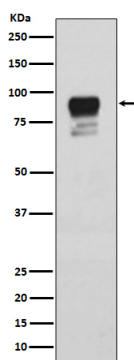
Glycogen synthase participates in the glycogen biosynthetic process along with glycogenin and glycogen branching enzyme. Extends the primer composed of a few glucose units formed by glycogenin by adding new glucose units to it. In this context, glycogen synthase transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan.

**Tissue Location**

Expressed in skeletal muscle and most other cell types where glycogen is present.

**Images**

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Western blot analysis of Phospho-Glycogen synthase 1 (S641) expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.