

Datasheet for ABIN7540832

**Recombinant anti-Glycogen Synthase 1 antibody**[Go to Product page](#)

## Overview

|                    |                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------|
| Quantity:          | 100 µL                                                                                                        |
| Target:            | Glycogen Synthase 1 (GYS1)                                                                                    |
| Reactivity:        | Human                                                                                                         |
| Host:              | Rabbit                                                                                                        |
| Expression System: | Mammalian cells                                                                                               |
| Antibody Type:     | Recombinant Antibody                                                                                          |
| Clonality:         | Monoclonal                                                                                                    |
| Conjugate:         | This Glycogen Synthase 1 antibody is un-conjugated                                                            |
| Application:       | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC) |

## Product Details

|                   |                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------|
| Purpose:          | Rabbit recombinant monoclonal antibody raised against GYS1.                                       |
| Immunogen:        | Original antibody is raised against recombinant GYS1.                                             |
| Isotype:          | IgG                                                                                               |
| Specificity:      | This antibody detects endogenous levels of human GYS1 protein only when phosphorylated at Ser641. |
| Cross-Reactivity: | Human, Mouse                                                                                      |

### Target Details

|                   |                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------|
| Target:           | Glycogen Synthase 1 (GYS1)                                                                                              |
| Alternative Name: | GYS1 ( <a href="#">GYS1 Products</a> )                                                                                  |
| Background:       | Glycogen synthase 1 (muscle)                                                                                            |
| Gene ID:          | 2997                                                                                                                    |
| Pathways:         | <a href="#">PI3K-Akt Signaling</a> , <a href="#">AMPK Signaling</a> , <a href="#">Cellular Glucan Metabolic Process</a> |

### Application Details

|                    |                                                                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Immunocytochemistry (1:50-1:200),Immunohistochemistry (1:50-1:200),Western Blot (1:1000-1:2000),The optimal working dilution should be determined by the end user. |
| Restrictions:      | For Research Use only                                                                                                                                              |

### Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | In PBS, pH 7.2 (50 % glycerol and 0.02 % sodium azide)                                                                 |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C                                                                                                            |
| Storage Comment:   | Store at 4°C short term.<br>Aliquot and store at -20°C long term.<br>Avoid freeze-thaw cycles.                         |