10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Glycogen Synthase 1 (phospho Ser645) Polyclonal Antibody

Catalog # AP67565

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IF, ICC, E |
| **Primary Accession** | P13807 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 83786 |

## Additional Information

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|---|---|
| **Gene ID** | 2997 |
| **Other Names** | GYS1; GYS; Glycogen [starch] synthase; muscle |
| **Dilution** | WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

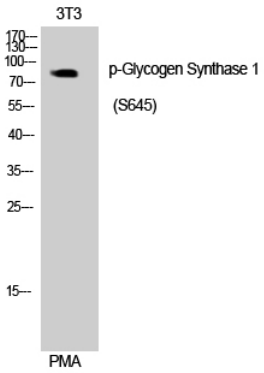
## Protein Information

| | |
|---|---|
| **Name** | GYS1 ( HGNC:4706) |
| **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. |

## Background

Transfers the glycosyl residue from UDP-Glc to the non- reducing end of alpha-1,4-glucan.

## Images




Western Blot analysis of 293 cells using
Phospho-Glycogen Synthase 1 (S645) Polyclonal Antibody

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