

## **Product datasheet for TA376890S**

## OriGene Technologies, Inc.

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## **Glycogen synthase 1 (GYS1) Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WE

**Reactivity:** WB,1:500 - 1:2000 Human, Mouse, Rat

Modifications: Phospho S641

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** A phospho specific peptide corresponding to residues surrounding S641 of human Glycogen

synthase 1 (GYS1)

**Formulation:** Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

**Concentration:** lot specific

**Purification:** Affinity purification

**Conjugation:** Unconjugated

Storage: Store at -20°C. Avoid freeze / thaw cycles.

**Stability:** Shelf life: one year from despatch.

Predicted Protein Size: 76kDa/83kDa

**Gene Name:** glycogen synthase 1

Database Link: Entrez Gene 2997 Human

P13807

**Background:** The protein encoded by this gene catalyzes the addition of glucose monomers to the growing

glycogen molecule through the formation of alpha-1,4-glycoside linkages. Mutations in this gene are associated with muscle glycogen storage disease. Alternatively spliced transcript

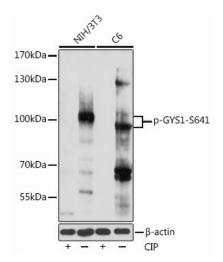
variants encoding different isoforms have been found for this gene.

**Synonyms:** GSY; GYS

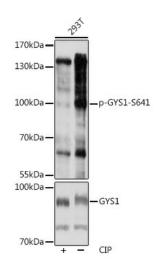




## **Product images:**



Western blot analysis of extracts of various cell lines, using Phospho-GYS1-S641 antibody ([TA376890]) at 1:1000 dilution.NIH/3T3 cells and C6 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% BSA. |Detection: ECL Basic Kit. |Exposure time: 10s.



Western blot analysis of extracts of 293T cells, using Phospho-GYS1-S641 pAb ([TA376890]) at 1:1000 dilution or Glycogen synthase 1 (GYS1) antibody (A2519).293T cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA. | Detection: ECL Basic Kit. | Exposure time: 10s.