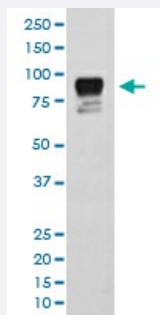


GYS1 (phospho S641) monoclonal antibody, clone DCH-7

Catalog # MAB20520

Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate using GYS1 (phospho S641) monoclonal antibody, clone DCH-7.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human GYS1.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S641 of human GYS1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate using GYS1 (phospho S641) monoclonal antibody, clone DCH-7.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

Gene Info — GYS1

Entrez GeneID[2997](#)**Protein Accession#**[P13807](#)**Gene Name**

GYS1

Gene Alias

GSY, GYS

Gene Description

glycogen synthase 1 (muscle)

Omim ID[138570](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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

Other Designations

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Pathway

- [Insulin signaling pathway](#)
- [Starch and sucrose metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Glucose Metabolism Disorders](#)
- [Hematologic Diseases](#)
- [Hepatitis](#)
- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Occupational Diseases](#)