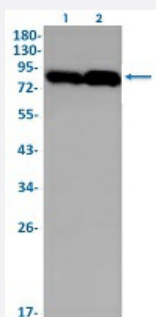


RecomAb™

GYS1 (phospho Ser641) recombinant monoclonal antibody, clone R03-3A1

Catalog # RAB02244 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: C6 and Lane 2: 3T3 lysates with GYS1 (phospho Ser641) recombinant monoclonal antibody, clone R03-3A1 (Cat # RAB02244).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GYS1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Ser641 of human GYS1.
Theoretical MW (kDa)	Calculated MW: 84 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to 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

Western Blot analysis of Lane 1: C6 and Lane 2: 3T3 lysates with GYS1 (phospho Ser641) recombinant monoclonal antibody, clone R03-3A1 (Cat # RAB02244).

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

- 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	-

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](#)