

GYS1 rabbit monoclonal antibody

Catalog # H00002997-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GYS1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human GYS1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GYS1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GYS1

Entrez GeneID	2997
GeneBank Accession#	GYS1
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](#)