

G6PC rabbit monoclonal antibody

Catalog # H00002538-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human G6PC peptide using ARM Technology.
Immunogen	A synthetic peptide of human G6PC 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 G6PC 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 — G6PC

Entrez GeneID	2538
GeneBank Accession#	G6PC
Gene Name	G6PC
Gene Alias	G6PT, GSD1, GSD1a, MGC163350
Gene Description	glucose-6-phosphatase, catalytic subunit
Omim ID	232200
Gene Ontology	Hyperlink
Gene Summary	Glucose-6-phosphatase is an integral membrane protein of the endoplasmic reticulum that catalyzes the hydrolysis of D-glucose 6-phosphate to D-glucose and orthophosphate. It is a key enzyme in glucose homeostasis, functioning in gluconeogenesis and glycogenolysis. Defects in the enzyme cause glycogen storage disease type I (von Gierke disease). [provided by RefSeq]
Other Designations	glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease) glycogen storage disease type I, von Gierke disease

Pathway

- [Adipocytokine signaling pathway](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Insulin signaling pathway](#)
- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)

Disease

- [Death](#)

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glycogen Storage Disease Type I](#)
- [Hypoglycemia](#)
- [Sudden Infant Death](#)