

# G6PC Rabbit pAb

Catalog No.: A20193 **7 Publications**

## Basic Information

**Observed MW**

40kDa

**Calculated MW**

40kDa

**Category**

Primary antibody

**Applications**

WB, IF/ICC, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

## Background

The enzyme encoded by this gene is a multisubunit integral membrane protein of the endoplasmic reticulum that is composed of a catalytic subunit and transporters for glucose-6-phosphate, inorganic phosphate, and glucose. This gene is one of three glucose-6-phosphatase catalytic-subunit-encoding genes in mouse. Glucose-6-phosphatase catalyzes the hydrolysis of D-glucose 6-phosphate to D-glucose and orthophosphate and is a key enzyme in glucose homeostasis, functioning in gluconeogenesis and glycogenolysis. Mutations in this gene cause glycogen storage disease type I (GSD1).

## Recommended Dilutions

**WB** 1:500 - 1:2000**IF/ICC** 1:50 - 1:200**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

14377

**Swiss Prot**

P35576

**Immunogen**

This information is considered to be commercially sensitive.

**Synonyms**

G6pt; G6pc1; G6Pase; Glc-6-Pase; G6PC

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

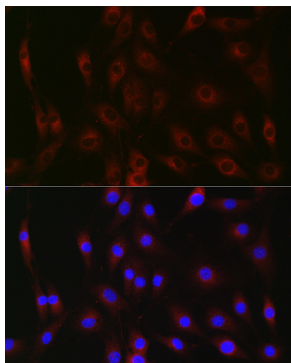
**Storage**

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Immunofluorescence analysis of NIH/3T3 cells using G6PC Rabbit pAb (A20193) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.