

# PGAM2 Rabbit pAb

Catalog No.: A7917 **3 Publications**

## Basic Information

### Observed MW

29kDa

### Calculated MW

29kDa

### Category

Primary antibody

### Applications

ELISA,WB,IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

Phosphoglycerate mutase (PGAM) catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. The PGAM is a dimeric enzyme containing, in different tissues, different proportions of a slow-migrating muscle (MM) isozyme, a fast-migrating brain (BB) isozyme, and a hybrid form (MB). This gene encodes muscle-specific PGAM subunit. Mutations in this gene cause muscle phosphoglycerate mutase deficiency, also known as glycogen storage disease X.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

5224

### Swiss Prot

P15259

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-253 of human PGAM2 (NP\_000281.2).

### Synonyms

GSD10; PGAMM; PGAM-M; PGAM2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

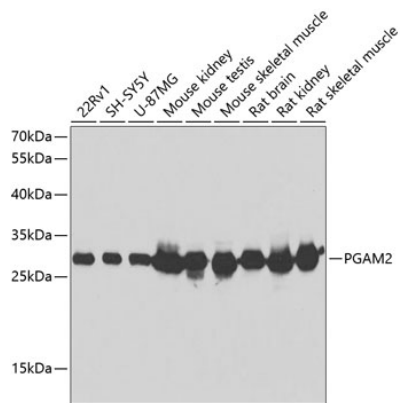
Affinity purification

### Storage

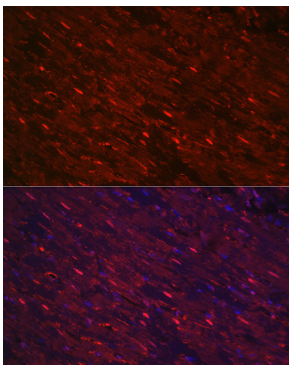
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

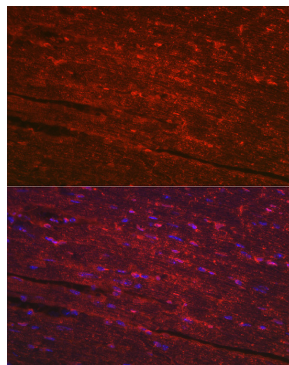
## Validation Data



Western blot analysis of extracts of various cell lines, using PGAM2 antibody (A7917) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 15s.



Immunofluorescence analysis of rat heart using PGAM2 Rabbit pAb (A7917) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse heart using PGAM2 Rabbit pAb (A7917) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.