PGAM2 Rabbit pAb

Catalog NO.: A7917 **3 Publications**

Basic Information

Observed MW
29kDa

Calculated MW
29kDa

Category
Polyclonal Antibodies

Applications
WB, IF-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

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 eficiency, also known as glycogen storage disease X.

Recommended Dilutions

WB	1:500 - 1:2000
IF-P	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
5224

Swiss Prot
P15259

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
GSD10; PGAMM; PGAM-M; PGAM2

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

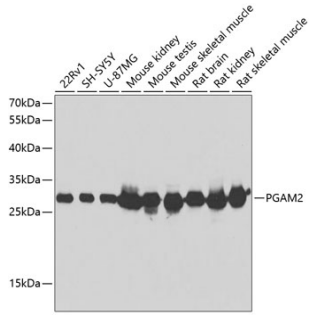
Source
Rabbit

Isotype
IgG

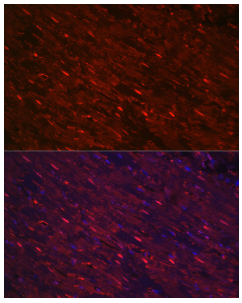
Purification
Affinity purification

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.

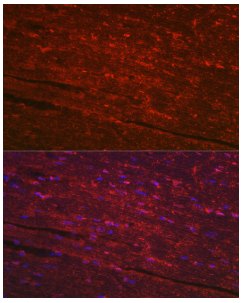
Validation Data



Western blot analysis of various lysates using PGAM2 Rabbit pAb (A7917) at 1:1000 dilution.
Secondary antibody: HRP-conjugated 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 paraffin-embedded rat heart using PGAM2 Rabbit pAb (A7917) 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.



Immunofluorescence analysis of paraffin-embedded mouse heart using PGAM2 Rabbit pAb (A7917) 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.

For research use only. Not for therapeutic or diagnostic purposes.

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