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Tel: 858.875.1900 Fax: 858.875.1999

PGM1 Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21492b

Specification

PGM1 Antibody (C-Term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P36871
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**61449**

PGM1 Antibody (C-Term) - Additional Information

Gene ID 5236

Other Names
Phosphoglucomutase-1, PGM 1, Glucose phosphomutase 1, PGM1

Target/Specificity
This PGM1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 469-501 amino acids from human PGM1.

Dilution
WB~~1:2000
IHC-P~~1:25
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PGM1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PGM1 Antibody (C-Term) - Protein Information

Name PGM1

Function Catalyzes the reversible isomerization of alpha-D-glucose 1- phosphate to alpha-D-glucose 6-phosphate (PubMed:15378030, PubMed:25288802). The mechanism proceeds

via the intermediate compound alpha-D-glucose 1,6-bisphosphate (Probable) (PubMed:25288802). This enzyme participates in both the breakdown and synthesis of glucose (PubMed:17924679, PubMed:25288802).

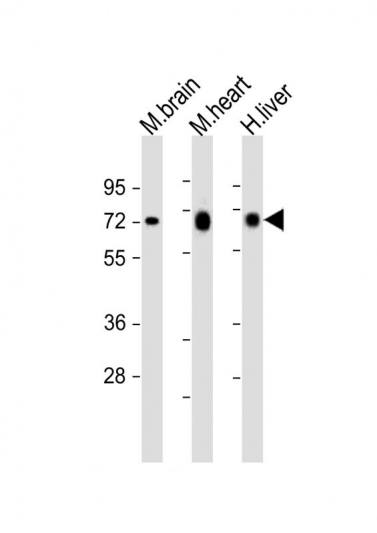
Cellular Location
[Isoform 1]: Cytoplasm.

PGM1 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PGM1 Antibody (C-Term) - Images



All lanes : Anti-PGM1 Antibody (C-Term) at 1:2000 dilution Lane 1: mouse brain lysates Lane 2: mouse heart lysates Lane 3: human liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 61 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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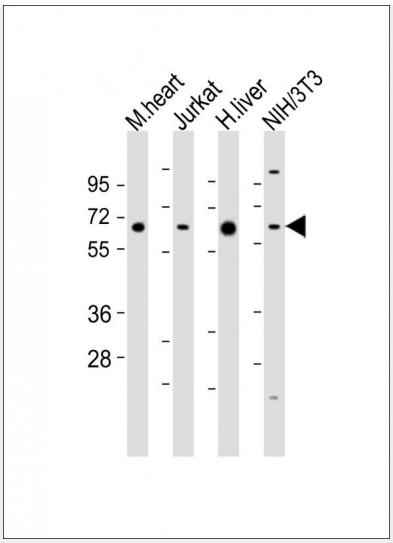
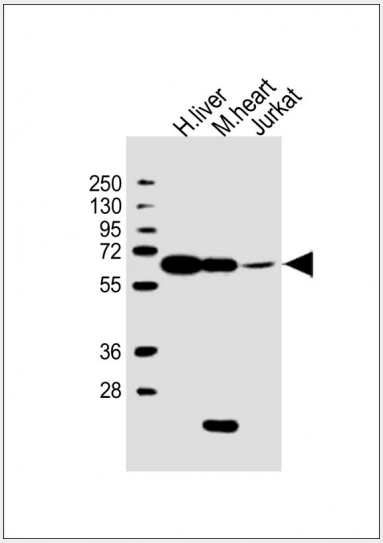


All lanes : Anti-PGM1 Antibody (C-Term) at 1:2000 dilution Lane 1: mouse heart lysates Lane 2: Jurkat whole cell lysates Lane 3: human liver lysates Lane 4: NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 61 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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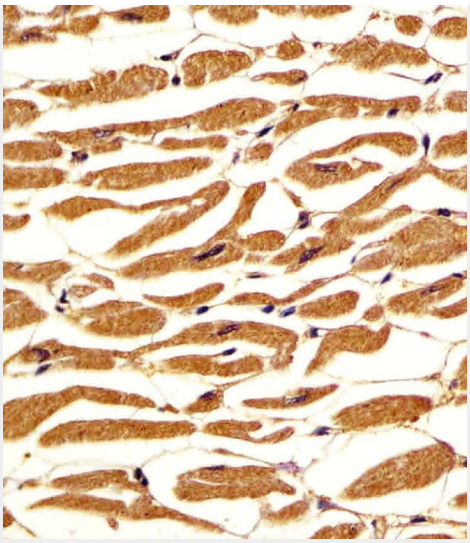
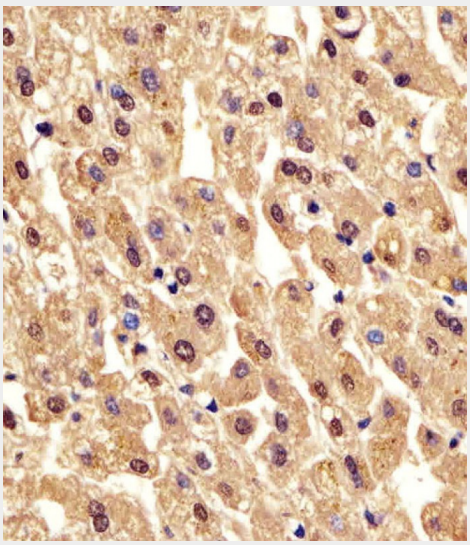


AP21492b staining PGM1 in human heart tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



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PGM1 Antibody (C-Term) - Background

This enzyme participates in both the breakdown and synthesis of glucose.

PGM1 Antibody (C-Term) - References

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Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
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Gregory S.G.,et al.Nature 441:315-321(2006).

Putt W.,et al.Biochem. J. 296:417-422(1993).