

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

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

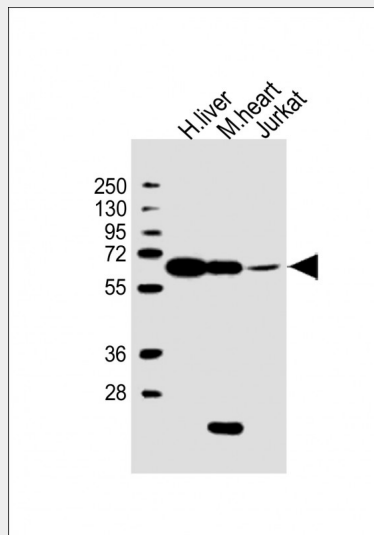
[Isoform 1]: Cytoplasm.

PGM1 Antibody (C-Term) - Protocols

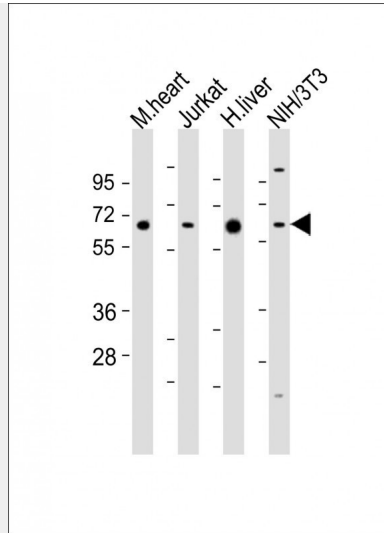
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

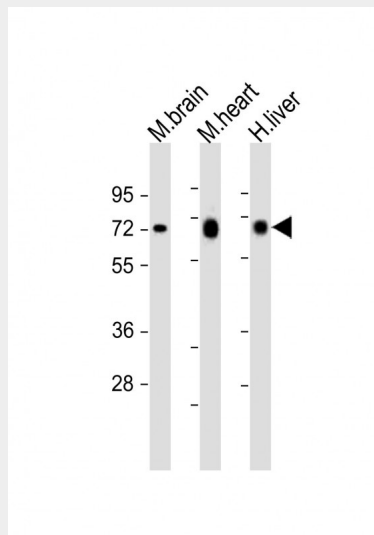
PGM1 Antibody (C-Term) - Images



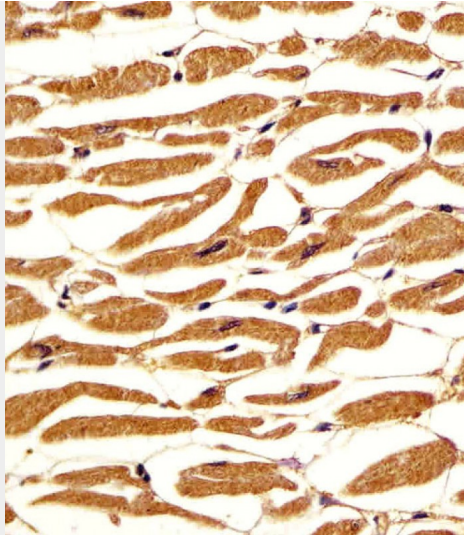
All lanes : Anti-PGM1 Antibody (C-Term) at 1:2000 dilution Lane 1: human liver lysate Lane 2: mouse heart lysate Lane 3: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa Blocking/Dilution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



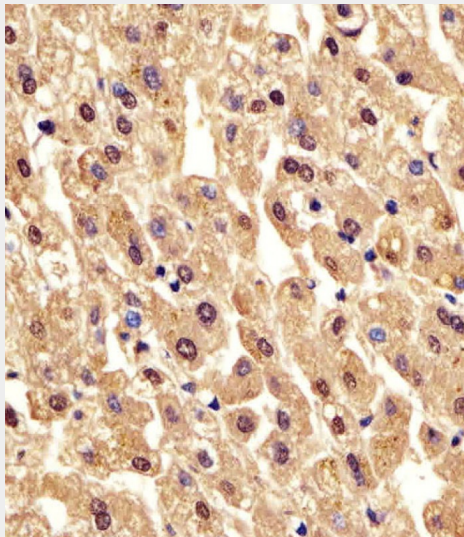
All lanes : Anti-PGM1 Antibody (C-Term) at 1:2000 dilution Lane 1: mouse heart lysates Lane 2: Jurkat whole cell lysates Lane 3: human liver lysates Lane 4: NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution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



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% NFDN/TBST.



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 hour 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

- Whitehouse D.B., et al. Proc. Natl. Acad. Sci. U.S.A. 89:411-415(1992).
- Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Gregory S.G., et al. Nature 441:315-321(2006).

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