

PGM1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21905c

Specification

PGM1 Antibody (Center) - Product Information

Application WB, IHC-P,E

Primary Accession <u>P36871</u>

Other Accession <u>Q4R5E4</u>, <u>Q9D0F9</u>, <u>P00949</u>, <u>P38652</u>

Reactivity Human, Mouse
Predicted Monkey, Rabbit, Rat

Host Rabbit
Clonality polyclonal
Isotype Rabbit IgG
Calculated MW 61449

PGM1 Antibody (Center) - 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 251-282 amino acids from the Central region of 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.

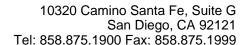
Precautions

PGM1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PGM1 Antibody (Center) - 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).

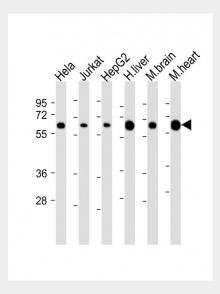
Cellular Location [Isoform 1]: Cytoplasm.

PGM1 Antibody (Center) - Protocols

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

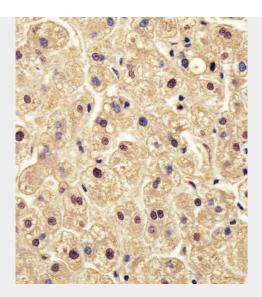
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

PGM1 Antibody (Center) - Images



All lanes: Anti-PGM1 Antibody (Center) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: human liver lysate Lane 5: mouse brain lysate Lane 6: mouse heart 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.





AP21905c staining PGM1 in human liver 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.

PGM1 Antibody (Center) - Background

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

PGM1 Antibody (Center) - References

Whitehouse D.B., et al. Proc. Natl. Acad. Sci. U.S.A. 89:411-415(1992). Kalnine 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).