

Anti-Phosphoglucomutase 5 Antibody [PGM5/3552] (A277742)

Specifications:

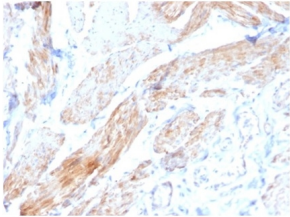
Name:	Anti-Phosphoglucomutase 5 Antibody [PGM5/3552]
Description:	Mouse monoclonal [PGM5/3552] antibody to Phosphoglucomutase 5.
Specificity:	Aciculin, also known as PGM5 (phosphoglucomutase 5) or PGMRP, is a 567 amino acid protein that belongs to the phosphoglucomutase family of phosphotransferases, which play an important role in the interconversion of glucose-1-phosphate and glucose-6-phosphate. Localized to the cell junction and expressed at high levels in smooth and cardiac muscle, Aciculin binds magnesium as a cofactor and interacts with dystrophin and utrophin, possibly playing a role in cytoskeletal organization and function. Aciculin exists as two alternatively spliced isoforms and is encoded by a gene that maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome.
Applications:	ELISA, IF, WB, IHC-P
Recommended Dilutions:	IF: 1-2 µg/ml, WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human, Bovine, Mouse, Rat, Rabbit
Cross Reactivity:	This antibody is predicted to cross react with Porcine, Avian, and Frog.
Immunogen:	Recombinant full-length human PGM5 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PGM5/3552
Isotype:	IgG2a
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Phosphoglucomutase 5 Antibody [PGM5/3552] - BSA and Azide free (A278330).

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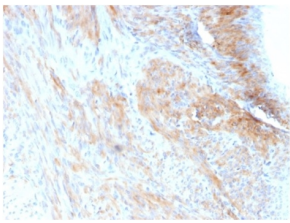
Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

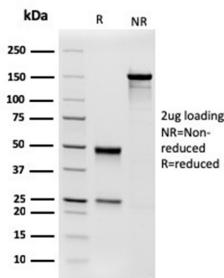
Images:



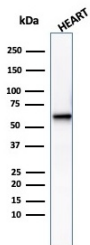
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human bladder tissue using Anti-Phosphoglucomutase 5 Antibody [PGM5/3552] at 2µg/ml.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human uterus tissue using Anti-Phosphoglucomutase 5 Antibody [PGM5/3552].



SDS-PAGE analysis of Anti-Phosphoglucomutase 5 Antibody [PGM5/3552] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Western blot analysis of human heart tissue lysate using Anti-Phosphoglucomutase 5 Antibody [PGM5/3552].