PGM5 Antibody / Phosphoglucomutase 5 / Aciculin [clone rPGM5/7164] (V8792)

Catalog No.	Formulation	Size
V8792-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8792-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8792SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rPGM5/7164
Purity	Protein A/G affinity
UniProt	Q15124
Localization	Cytoplasm
Applications	ELISA (For coating order BSA-free format)
Limitations	This PGM5 antibody is available for research use only.



Description

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/PGM5 binds magnesium as a cofactor and interacts with dystrophin and utrophin, possibly playing a role in cytoskeletal organization and function. Aciculin/PGM5 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.

Application Notes

Optimal dilution of the PGM5 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human PGM5 protein was used as the immunogen for the PGM5 antibody.

Storage

Aliquot the PGM5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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