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PGM5 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14638

Product Information

Application	WB
Primary Accession	Q15124
Other Accession	NM_021965, NP_068800
Reactivity	Human, Mouse, Rat, Rabbit, Guinea Pig, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62225

Additional Information

Gene ID	5239
Alias Symbol	PGMRP
Other Names	Phosphoglucomutase-like protein 5, Aciculin, Phosphoglucomutase-related protein, PGM-RP, PGM5, PGMRP
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PGM5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PGM5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

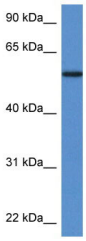
Name	PGM5 (HGNC:8908)
Synonyms	PGMRP
Function	Component of adherens-type cell-cell and cell-matrix junctions (PubMed:8175905). Positively regulates maturation and alignment of myofibrils, also promotes organization of sarcomeres (By similarity). Has no phosphoglucomutase activity in vitro (PubMed:8175905).
Cellular Location	Cell junction, adherens junction. Cytoplasm, cytoskeleton. Cell membrane, sarcolemma {ECO:0000250|UniProtKB:Q8BZF8}. Note=Concentrated in focal contacts at the ends of actin bundles, and associated with actin filaments

Tissue Location	Detected in smooth and cardiac muscle at high levels and in skeletal muscle at low level. Present in other tissues due to vascular or other smooth muscle component. Low levels are present in liver, kidney, skin and brain (at protein level)

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Moiseeva E.P.,et al.Eur. J. Biochem. 248:634-643(1997).
Parker K.,et al.Submitted (JUN-2007) to UniProtKB.
Moiseeva E.P.,et al.Eur. J. Biochem. 235:103-113(1996).

Images



WB Suggested Anti-PGM5 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.