

PGM5 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17589b**Specification**

PGM5 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q15124](#)**PGM5 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 5239**Other Names**

Phosphoglucomutase-like protein 5, Aciculin, Phosphoglucomutase-related protein, PGM-RP, PGM5, PGMRP

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PGM5 Antibody (C-term) Blocking Peptide - Protein Information**Name** PGM5 ([HGNC:8908](#))**Synonyms** PGMRP**Function**

Component of adherens-type cell-cell and cell-matrix junctions (PubMed:8175905). 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)

PGM5 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PGM5 Antibody (C-term) Blocking Peptide - Images

PGM5 Antibody (C-term) Blocking Peptide - Background

Phosphoglucomutases (EC 5.2.2.2.), such as PGM5, are phosphotransferases involved in interconversion of glucose-1-phosphate and glucose-6-phosphate. PGM activity is essential in formation of carbohydrates from glucose-6-phosphate and in formation of glucose-6-phosphate from galactose and glycogen (Edwards et al., 1995 [PubMed 8586438]).

PGM5 Antibody (C-term) Blocking Peptide - References

Wakayama, Y., et al. Acta Neuropathol. 99(6):654-662(2000) Moiseeva, E.P., et al. Eur. J. Biochem. 248(3):634-643(1997) Moiseeva, E.P., et al. Eur. J. Biochem. 235 (1-2), 103-113 (1996) :Edwards, Y.H., et al. Genomics 30(2):350-353(1995) Belkin, A.M., et al. Exp. Cell Res. 221(1):132-140(1995)