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PGM2L1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18243b

Specification

PGM2L1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q6PCE3

PGM2L1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 283209

Other Names
Glucose 1, 6-bisphosphate synthase, PMMLP, Phosphoglucomutase-2-like 1, PGM2L1, BM32A

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.

PGM2L1 Antibody (C-term) Blocking Peptide - Protein Information

Name PGM2L1 (HGNC:20898)

Synonyms BM32A

Function
Glucose 1,6-bisphosphate synthase using 1,3- bisphosphoglycerate as a phosphate donor and a series of 1-phosphate sugars, including glucose 1-phosphate, mannose 1-phosphate, ribose 1-phosphate and deoxyribose 1-phosphate, as acceptors (PubMed:17804405). In vitro, also exhibits very low phosphopentomutase and phosphoglucomutase activity which are most probably not physiologically relevant (PubMed:17804405).

Cellular Location
Cytoplasm, cytosol.

PGM2L1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PGM2L1 Antibody (C-term) Blocking Peptide - Images

PGM2L1 Antibody (C-term) Blocking Peptide - Background

Glucose 1,6-bisphosphate synthase using 1,3-bisphosphoglycerate as a phosphate donor and a series of 1-phosphate sugars as acceptors, including glucose 1-phosphate, mannose 1-phosphate, ribose 1-phosphate and deoxyribose 1-phosphate. 5 or 6-phosphosugars are bad substrates, with the exception of glucose 6-phosphate. Also synthesizes ribose 1,5-bisphosphate. Has only low phosphopentomutase and phosphoglucomutase activities.

PGM2L1 Antibody (C-term) Blocking Peptide - References

Maliekal, P., et al. J. Biol. Chem. 282(44):31844-31851(2007)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)Wistow, G., et al. Mol. Vis. 8, 205-220 (2002) :