10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPP1R3C Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5758b

Specification

PPP1R3C Antibody (C-term) Blocking peptide - Product Information

Primary Accession	Q9UQK1
Other Accession	NP_005389.1

PPP1R3C Antibody (C-term) Blocking peptide - Additional Information

Gene ID 5507

Other Names
Protein phosphatase 1 regulatory subunit 3C, Protein phosphatase 1 regulatory subunit 5, PP1 subunit R5, Protein targeting to glycogen, PTG, PPP1R3C (HGNC:9293)

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.

PPP1R3C Antibody (C-term) Blocking peptide - Protein Information

Name PPP1R3C (HGNC:9293)

Function
Acts as a glycogen-targeting subunit for PP1 and regulates its activity. Activates glycogen synthase, reduces glycogen phosphorylase activity and limits glycogen breakdown. Dramatically increases basal and insulin-stimulated glycogen synthesis upon overexpression in a variety of cell types.

PPP1R3C Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

PPP1R3C Antibody (C-term) Blocking peptide - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPP1R3C Antibody (C-term) Blocking peptide - Background

Protein phosphatase-1 (PP1; see MIM 176875) participatesin the regulation of a wide variety of cellular functions byreversible protein phosphorylation. The ability of PP1 to regulatediverse functions resides in its capacity to interact with avariety of regulatory subunits that may target PP1 to specificsubcellular locations, modulate its substrate specificity, andallow its activity to be responsive to extracellular signals.Several targeting subunits of PP1 have been identified, includingPPP1R5, the glycogen-binding subunits PPP1R3 (MIM 600917) andPPP1R4, and the nuclear inhibitor of PP1 (PPP1R8; MIM602636).

PPP1R3C Antibody (C-term) Blocking peptide - References

Vernia, S., et al. J. Biol. Chem. 284(13):8247-8255(2009)Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)Fernandez-Sanchez, M.E., et al. Hum. Mol. Genet. 12(23):3161-3171(2003)