

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

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

Primary Accession [O9UOK1](#)  
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](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=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**

### **PPP1R3C Antibody (C-term) Blocking peptide - Background**

Protein phosphatase-1 (PP1; see MIM 176875) participates in the regulation of a wide variety of cellular functions by reversible protein phosphorylation. The ability of PP1 to regulate diverse functions resides in its capacity to interact with a variety of regulatory subunits that may target PP1 to specific subcellular locations, modulate its substrate specificity, and allow its activity to be responsive to extracellular signals. Several targeting subunits of PP1 have been identified, including PPP1R5, the glycogen-binding subunits PPP1R3 (MIM 600917) and PPP1R4, and the nuclear inhibitor of PP1 (PPP1R8; MIM 602636).

### **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)