

**PPP1R3A Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10676c**

**Specification**

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**PPP1R3A Antibody (Center) Blocking peptide - Product Information**

Primary Accession [Q16821](#)

**PPP1R3A Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 5506

**Other Names**

Protein phosphatase 1 regulatory subunit 3A, Protein phosphatase 1 glycogen-associated regulatory subunit, Protein phosphatase type-1 glycogen targeting subunit, RG1, PPP1R3A, PP1G

**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.

**PPP1R3A Antibody (Center) Blocking peptide - Protein Information**

**Name** PPP1R3A

**Synonyms** PP1G

**Function**

Seems to act as a glycogen-targeting subunit for PP1. PP1 is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. Plays an important role in glycogen synthesis but is not essential for insulin activation of glycogen synthase (By similarity).

**Cellular Location**

Membrane; Single-pass membrane protein

**Tissue Location**

Skeletal muscle and heart.

**PPP1R3A Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **PPP1R3A Antibody (Center) Blocking peptide - Images**

#### **PPP1R3A Antibody (Center) Blocking peptide - Background**

The glycogen-associated form of protein phosphatase-1(PP1) derived from skeletal muscle is a heterodimer composed of a 37-kD catalytic subunit and a 124-kD targeting and regulatory subunit. This gene encodes the regulatory subunit which binds to muscle glycogen with high affinity, thereby enhancing dephosphorylation of glycogen-bound substrates for PP1 such as glycogen synthase and glycogen phosphorylase kinase. [provided by RefSeq].

#### **PPP1R3A Antibody (Center) Blocking peptide - References**

Yoshida, T., et al. Int. J. Mol. Med. 24(2):233-246(2009) Yoshida, T., et al. Genomics 93(3):221-226(2009) Gieger, C., et al. PLoS Genet. 4 (11), E1000282 (2008) :Savage, D.B., et al. PLoS Med. 5 (1), E27 (2008) :Olsen, J.V., et al. Cell 127(3):635-648(2006)