

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

Specification

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)