

PPP2R5C Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP14034b**Specification**

PPP2R5C Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q13362](#)**PPP2R5C Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 5527**Other Names**

Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform, PP2A B subunit isoform B'-gamma, PP2A B subunit isoform B56-gamma, PP2A B subunit isoform PR61-gamma, PP2A B subunit isoform R5-gamma, Renal carcinoma antigen NY-REN-29, PPP2R5C, KIAA0044

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14034b was selected from the C-term region of PPP2R5C. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

PPP2R5C Antibody (C-term) Blocking peptide - Protein Information**Name** PPP2R5C**Synonyms** KIAA0044**Function**

The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. The PP2A- PPP2R5C holoenzyme may specifically dephosphorylate and activate TP53 and play a role in DNA damage-induced inhibition of cell proliferation. PP2A-PPP2R5C may also regulate the ERK signaling pathway through ERK dephosphorylation.

Cellular Location

Nucleus. Chromosome, centromere.

Tissue Location

Highest levels in heart, skeletal muscle and brain. Lower levels in pancreas, kidney, lung and placenta. Very low levels in liver

PPP2R5C Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PPP2R5C Antibody (C-term) Blocking peptide - Images**PPP2R5C Antibody (C-term) Blocking peptide - Background**

The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a gamma isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified.

PPP2R5C Antibody (C-term) Blocking peptide - References

Anney, R., et al. Hum. Mol. Genet. 19(20):4072-4082(2010) Lee, T.Y., et al. J. Biol. Chem. 285(28):21567-21580(2010) Shouse, G.P., et al. Oncogene 29(27):3933-3941(2010) Tung, H.Y., et al. FEBS Lett. 401 (2-3), 197-201 (1997) :McCright, B., et al. J. Biol. Chem. 271(36):22081-22089(1996)