

**CDKN2C Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10954b****Specification**

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**CDKN2C Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P42773](#)**CDKN2C Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 1031**Other Names**

Cyclin-dependent kinase 4 inhibitor C, Cyclin-dependent kinase 6 inhibitor, p18-INK4c, p18-INK6, CDKN2C, CDKN6

**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.

**CDKN2C Antibody (C-term) Blocking peptide - Protein Information****Name** CDKN2C**Synonyms** CDKN6**Function**

Interacts strongly with CDK6, weakly with CDK4. Inhibits cell growth and proliferation with a correlated dependence on endogenous retinoblastoma protein RB.

**Tissue Location**

Highest levels found in skeletal muscle. Also found in pancreas and heart

**CDKN2C Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**CDKN2C Antibody (C-term) Blocking peptide - Images**

**CDKN2C Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to interact with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical protein, have been reported.

**CDKN2C Antibody (C-term) Blocking peptide - References**

Stratakis, C., et al. Clin. Genet. 78(5):457-463(2010) Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009) Eguchi, T., et al. Mol. Cancer Ther. 8(6):1460-1472(2009) Pei, X.H., et al. Cancer Cell 15(5):389-401(2009) Hossain, M.G., et al. Endocr. Pathol. 20(2):114-121(2009)