

CDKN2C Antibody (Center) Blocking peptide Synthetic peptide Catalog # BP5520c

Specification

CDKN2C Antibody (Center) Blocking peptide - Product Information

Primary Accession Other Accession

P42773 NP 523240

CDKN2C Antibody (Center) 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 (Center) 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 (Center) Blocking peptide - Protocols

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

<u>Blocking Peptides</u>

CDKN2C Antibody (Center) Blocking peptide - Images



CDKN2C Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a member of the INK4family of cyclin-dependent kinase inhibitors. This protein has beenshown to interact with CDK4 or CDK6, and prevent the activation ofthe CDK kinases, thus function as a cell growth regulator thatcontrols cell cycle G1 progression. Ectopic expression of this genewas shown to suppress the growth of human cells in a manner thatappears to correlate with the presence of a wild-type RB1 function.Studies in the knockout mice suggested the roles of this gene inregulating spermatogenesis, as well as in suppressingtumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical protein, have been reported.

CDKN2C Antibody (Center) Blocking peptide - References

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)