

**CDKN2D Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16479c****Specification**

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**CDKN2D Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P55273](#)

**CDKN2D Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 1032

**Other Names**

Cyclin-dependent kinase 4 inhibitor D, p19-INK4d, CDKN2D

**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.

**CDKN2D Antibody (C-term) Blocking Peptide - Protein Information**

**Name** CDKN2D

**Function**

Interacts strongly with CDK4 and CDK6 and inhibits them.

**Cellular Location**

Nucleus. Cytoplasm

**CDKN2D Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CDKN2D Antibody (C-term) Blocking Peptide - Images****CDKN2D 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 form a stable complex 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. The abundance of the transcript of this gene was found to oscillate in a cell-cycle dependent manner with the lowest expression at mid G1 and a maximal expression during S phase. The negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis. Two alternatively spliced variants of this gene, which encode an identical protein, have been reported.

#### **CDKN2D Antibody (C-term) Blocking Peptide - References**

Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009) Zhang, W., et al. Acta Biochim. Biophys. Sin. (Shanghai) 41(5):414-428(2009) Agarwal, S.K., et al. J. Clin. Endocrinol. Metab. 94(5):1826-1834(2009) Goode, E.L., et al. Cancer Epidemiol. Biomarkers Prev. 18(3):935-944(2009) Mavaddat, N., et al. Cancer Epidemiol. Biomarkers Prev. 18(1):255-259(2009)