

**p19 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9406a**

**Specification**

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**p19 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [P55273](#)

**p19 Antibody (N-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.

**p19 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** CDKN2D

**Function**

Interacts strongly with CDK4 and CDK6 and inhibits them.

**Cellular Location**

Nucleus. Cytoplasm

**p19 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**p19 Antibody (N-term) Blocking Peptide - Images**

**p19 Antibody (N-term) Blocking Peptide - Background**

p19 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.

#### **p19 Antibody (N-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)