

**p16INK4a Antibody (C-term E119) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11690b**

**Specification**

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**p16INK4a Antibody (C-term E119) Blocking peptide - Product Information**

Primary Accession [P42771](#)

**p16INK4a Antibody (C-term E119) Blocking peptide - Additional Information**

**Gene ID** 1029

**Other Names**

Cyclin-dependent kinase inhibitor 2A, isoforms 1/2/3, Cyclin-dependent kinase 4 inhibitor A, CDK4I, Multiple tumor suppressor 1, MTS-1, p16-INK4a, p16-INK4, p16INK4A, CDKN2A, CDKN2, MTS1

**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.

**p16INK4a Antibody (C-term E119) Blocking peptide - Protein Information**

**Name** CDKN2A ([HGNC:1787](#))

**Synonyms** CDKN2, MTS1

**Function**

Acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6. This inhibits their ability to interact with cyclins D and to phosphorylate the retinoblastoma protein.

**Cellular Location**

Cytoplasm. Nucleus

**Tissue Location**

Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific

**p16INK4a Antibody (C-term E119) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **p16INK4a Antibody (C-term E119) Blocking peptide - Images**

#### **p16INK4a Antibody (C-term E119) Blocking peptide - Background**

This gene encodes a protein involved in peripheral nervemyelin upkeep. The encoded protein contains 2 PDZ domains whichwere named after PSD95 (post synaptic density protein), DlgA(Drosophila disc large tumor suppressor), and ZO1 (a mammaliantight junction protein). Two alternatively spliced transcriptvariants have been described for this gene which encode differentprotein isoforms and which are targeted differently in the Schwanncell. Mutations in this gene cause Charcot-Marie-Tooth neuropathy,type 4F and Dejerine-Sottas neuropathy.

#### **p16INK4a Antibody (C-term E119) Blocking peptide - References**

Benson, B., et al. Laryngoscope 120(2):291-296(2010)Kabzinska, D., et al. Med Wieku Rozwoj 13(2):146-153(2009)Auer-Grumbach, M., et al. Neuropediatrics 39(1):33-38(2008)Wu, C., et al. Proteomics 7(11):1775-1785(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)