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p16-INK4A(S152) Blocking Peptide

Synthetic peptide
Catalog # BP21427a

Specification

p16-INK4A(S152) Blocking Peptide - Product Information

Primary Accession P42771

p16-INK4A(S152) 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

Target/Specificity
The synthetic peptide sequence is selected from aa 145-156 of HUMAN CDKN2A

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.

p16-INK4A(S152) 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

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p16-INK4A(S152) Blocking Peptide - Protocols

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

- Blocking Peptides

p16-INK4A(S152) Blocking Peptide - Images

p16-INK4A(S152) Blocking Peptide - Background

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p16-INK4A(S152) Blocking Peptide - References

Serrano M.,et al.Nature 366:704-707(1993).
Robertson K.D.,et al.Oncogene 18:3810-3820(1999).
Kitagawa Y.,et al.J. Biol. Chem. 277:46289-46297(2002).
Lin Y.C.,et al.Oncogene 26:7017-7027(2007).
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