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CDKN2B Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16165b

Specification

CDKN2B Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P42772

CDKN2B Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1030

Other Names
Cyclin-dependent kinase 4 inhibitor B, Multiple tumor suppressor 2, MTS-2, p14-INK4b, p15-INK4b, p15INK4B, CDKN2B, MTS2

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.

CDKN2B Antibody (C-term) Blocking Peptide - Protein Information

Name CDKN2B

Synonyms MTS2

Function
Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest.

Cellular Location
Cytoplasm. Note=Also found in the nucleus

Tissue Location
Isoform 2 is expressed in normal (keratinocytes, fibroblasts) and tumor cell lines.

CDKN2B Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CDKN2B Antibody (C-term) Blocking Peptide - Images

CDKN2B Antibody (C-term) Blocking Peptide - Background

This gene lies adjacent to the tumor suppressor geneCDKN2A in a region that is frequently mutated and deleted in a widevariety of tumors. This gene encodes a cyclin-dependent kinaseinhibitor, which forms a complex with CDK4 or CDK6, and preventsthe activation of the CDK kinases, thus the encoded proteinfunctions as a cell growth regulator that controls cell cycle G1progression. The expression of this gene was found to bedramatically induced by TGF beta, which suggested its role in theTGF beta induced growth inhibition. Two alternatively splicedtranscript variants of this gene, which encode distinct proteins,have been reported.

CDKN2B Antibody (C-term) Blocking Peptide - References

Camacho, C.V., et al. Carcinogenesis 31(10):1889-1896(2010)Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Pechlivanis, S., et al. Arterioscler. Thromb. Vasc. Biol. 30(9):1867-1872(2010)Heni, M., et al. Diabetes (2010) In press :Roder, C., et al. Childs Nerv Syst (2010) In press :