

CDKN2B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP14138b**Specification**

CDKN2B Antibody (C-term) Blocking peptide - Product InformationPrimary 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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14138b was selected from the C-term region of CDKN2B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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 gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript 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 :