

CDKN1C Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10945a**Specification**

CDKN1C Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P49918](#)**CDKN1C Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 1028**Other Names**

Cyclin-dependent kinase inhibitor 1C, Cyclin-dependent kinase inhibitor p57, p57Kip2, CDKN1C, KIP2

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.

CDKN1C Antibody (N-term) Blocking peptide - Protein Information**Name** CDKN1C**Synonyms** KIP2**Function**

Potent tight-binding inhibitor of several G1 cyclin/CDK complexes (cyclin E-CDK2, cyclin D2-CDK4, and cyclin A-CDK2) and, to lesser extent, of the mitotic cyclin B-CDC2. Negative regulator of cell proliferation. May play a role in maintenance of the non-proliferative state throughout life.

Cellular Location

Nucleus.

Tissue Location

Expressed in the heart, brain, lung, skeletal muscle, kidney, pancreas and testis. Expressed in the eye. High levels are seen in the placenta while low levels are seen in the liver

CDKN1C Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CDKN1C Antibody (N-term) Blocking peptide - Images

CDKN1C Antibody (N-term) Blocking peptide - Background

This gene is imprinted, with preferential expression of the maternal allele. The encoded protein is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndrome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene.

CDKN1C Antibody (N-term) Blocking peptide - References

O'Seaghdha, C.M., et al. Hum. Mol. Genet. 19(21):4296-4303(2010) Madhavan, J., et al. Ophthalmic Genet. 31(3):141-146(2010) Romanelli, V., et al. Am. J. Med. Genet. A 152A (6), 1390-1397 (2010) :Hoffner, L., et al. J Reprod Med 55 (5-6), 219-228 (2010) :Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :