10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CDKN1C Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP10945a

Specification

CDKN1C Antibody (N-term) Blocking peptide - Product Information

Primary 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

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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 ofthe maternal allele. The encoded protein is a tight-binding, stronginhibitor of several G1 cyclin/Cdk complexes and a negativeregulator of cell proliferation. Mutations in this gene areimplicated in sporadic cancers and Beckwith-Wiedemann syndorome,suggesting that this gene is a tumor suppressor candidate. Threetranscript variants encoding two different isoforms have been foundfor 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) :