10320 Camino Santa Fe, Suite G
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# CDKN1C Antibody
**Purified Mouse Monoclonal Antibody**
**Catalog # AO1482a**

## Specification

### CDKN1C Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P49918 |
| Reactivity | **Human** |
| Host | **Mouse** |
| Clonality | **Monoclonal** |
| Isotype | **IgG1** |
| Calculated MW | **57kDa KDa** |

**Description**
The protein encoded by this gene 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 syndorome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene.Tissue specificity: Expressed in the heart, brain, lung, skeletal muscle, kidney, pancreas and testis. High levels are seen in the placenta while low levels are seen in the liver.

**Immunogen**
Purified recombinant fragment of human CDKN1C expressed in E. Coli.

**Formulation**
Ascitic fluid containing 0.03% sodium azide. <br />

### CDKN1C Antibody - Additional Information

**Gene ID** 1028

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

**Dilution**
WB~~1/500 - 1/2000

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
CDKN1C Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### CDKN1C Antibody - Protein Information

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**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 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## CDKN1C Antibody - Images

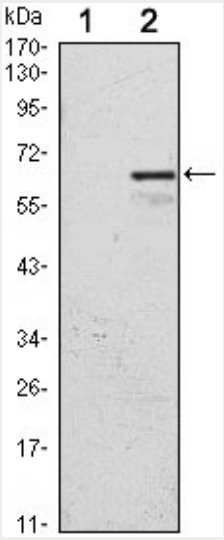



Figure 1: Western blot analysis using CDKN1C mAb against HEK293 (1) and CDKN1C(AA: 214-316)-hIgGFc transfected HEK293 (2) cell lysate.

## CDKN1C Antibody - References

1. Cell Cycle. 2007 Mar 1;6(5):620-5. 2. Oncogene. 2008 Sep 25;27(43):5651-61.