

## CDKN2C Antibody (C-term)

Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)  
 Catalog # AP10954b-400 □

### Specification

#### CDKN2C Antibody (C-term) - Product info

Application	WB, IHC-P
Primary Accession	<a href="#">P42773</a>
Other Accession	<a href="#">NP_001253.1</a> , <a href="#">NP_523240.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Names	RB20696
Calculated MW	18127

#### CDKN2C Antibody (C-term) - Additional info

Gene ID 1031

#### Other Names

Cyclin-dependent kinase 4 inhibitor C, Cyclin-dependent kinase  
 6 inhibitor, p18-INK4c, p18-INK6, CDKN2C, CDKN6

#### Target/Specificity

This CDKN2C antibody is generated from rabbits immunized  
 with a KLH conjugated synthetic peptide between 113-139  
 amino acids from the C-terminal region of human CDKN2C.

#### Dilution

WB~~1:1000  
 IHC-P~~1:50~100

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V)  
 sodium azide. This antibody is purified through a protein A  
 column, followed by peptide affinity purification.

#### Storage

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

#### Precautions

CDKN2C Antibody (C-term) is for research use only and not for  
 use in diagnostic or therapeutic procedures.

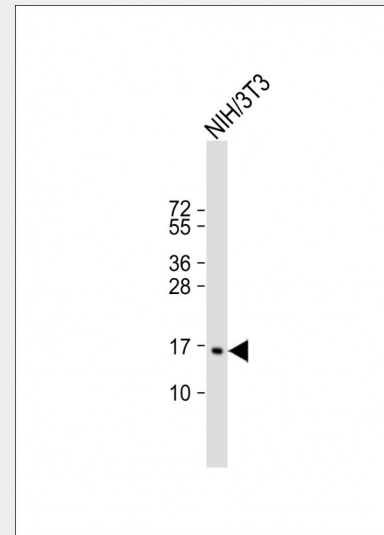
#### CDKN2C Antibody (C-term) - Protein Information

Name CDKN2C

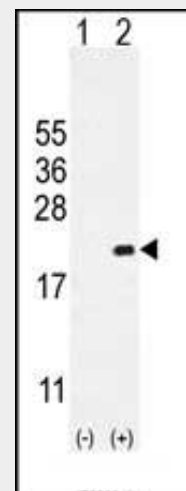
Synonyms CDKN6

#### Function

Interacts strongly with CDK6, weakly with CDK4. Inhibits cell  
 growth and proliferation with a correlated dependence on  
 endogenous retinoblastoma protein RB.



Anti-CDKN2C Antibody (C-term) at  
 1:2000 dilution + NIH/3T3 whole cell  
 lysate Lysates/proteins at 20 µg per lane.  
 Secondary Goat Anti-Rabbit IgG, (H+L),  
 Peroxidase conjugated at 1/10000  
 dilution. Predicted band size : 18 kDa  
 Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot analysis of CDKN2C  
 (arrow) using rabbit polyclonal CDKN2C  
 Antibody (C-term) (Cat. #AP10954b). 293  
 cell lysates (2 µg/lane) either  
 nontransfected (Lane 1) or transiently  
 transfected (Lane 2) with the CDKN2C  
 gene.

#### Tissue Location

Highest levels found in skeletal muscle. Also found in pancreas and heart

#### CDKN2C Antibody (C-term) - Protocols

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

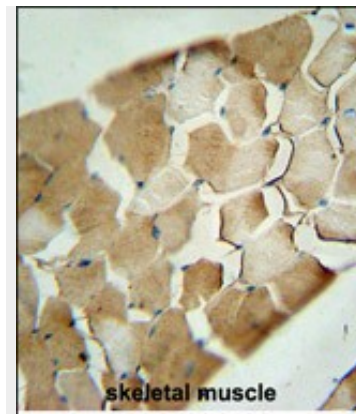
- [□ Western Blot](#)
- [□ Blocking Peptides](#)
- [□ Dot Blot](#)
- [□ Immunohistochemistry](#)
- [□ Immunofluorescence](#)
- [□ Immunoprecipitation](#)
- [□ Flow Cytometry](#)
- [□ Cell Culture](#)

#### CDKN2C Antibody (C-term) - Background

The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to interact with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical protein, have been reported.

#### CDKN2C Antibody (C-term) - References

Stratakis, C., et al. Clin. Genet. 78(5):457-463(2010) Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009) Eguchi, T., et al. Mol. Cancer Ther. 8(6):1460-1472(2009) Pei, X.H., et al. Cancer Cell 15(5):389-401(2009) Hossain, M.G., et al. Endocr. Pathol. 20(2):114-121(2009)



CDKN2C Antibody (C-term) (Cat. #AP10954b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CDKN2C Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.