

**CDKN2C Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10954b****Specification**

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**CDKN2C Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
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 IgG
Calculated MW	18127
Antigen Region	113-139

**CDKN2C Antibody (C-term) - Additional Information****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.

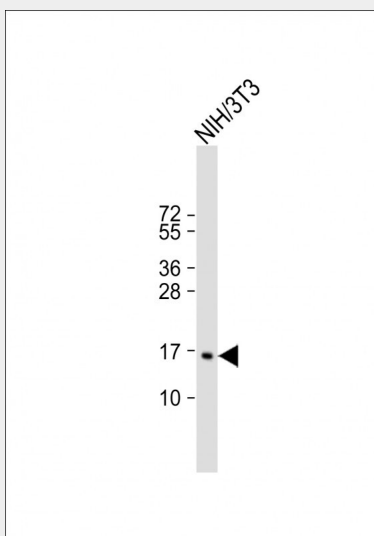
**Tissue Location**

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

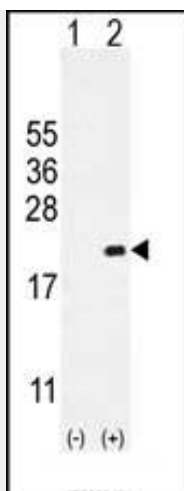
**CDKN2C Antibody (C-term) - Protocols**

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

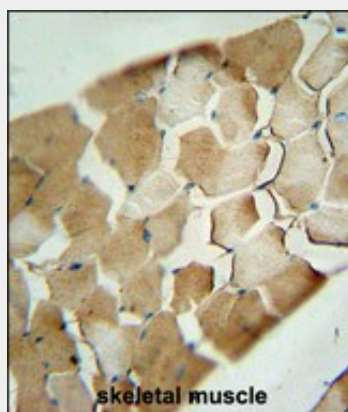
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CDKN2C Antibody (C-term) - Images**

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 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CDKN2C gene.



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.

#### **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)