Cyclin-Dependent Kinase Inhibitor 2c (CDKN2C) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	cyclin-dependent kinase inhibitor 2C (CDKN2C), Polyclonal Antibody
Full Product Name	Rabbit anti-human cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) polyclonal Antibody
Product Gene Name	anti-CDKN2C antibody
Product Synonym Names	cyclin-dependent kinase inhibitor 2C (p18; inhibits CDK4); CDKN2C; INK4C; p18; p18-INK4C
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen Affinity Purified
Molecular Weight	18,127 Da
OMIM	603369
Immunogen	Human CDKN2C
Storage Buffer	PBS with 0.1% Sodium Azide, 50% Glycerol, pH 7.3. -20 degree C, Avoid freeze / thaw cycles.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-864 / sc-865 / sc-1064 / sc-1208
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDKN2C antibody	ELISA (EIA), Immunohistochemistry (IHC)
Related Product Information for anti-CDKN2C antibody	MBS710552 is an antibody targeting CDKN2C. Also known as Rabbit anti-human cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CDKN2C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDKN2C. It may not necessarily be applicable to this product.

NCBI GI #	6808473
NCBI GeneID	1031
NCBI Accession #	AAF28398.1
UniProt Secondary Accession #	Q8TB83
UniProt Related Accession #	P42773
NCBI Official Full Name	cyclin-dependent kinase inhibitor 2C, partial
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)
NCBI Official Symbol	CDKN2C
NCBI Official Synonym Symbols	p18; INK4C; p18-INK4C

UniProt Protein Name	Cyclin-dependent kinase 4 inhibitor C
UniProt Synonym Protein Names	Cyclin-dependent kinase 6 inhibitor; p18-INK4c; p18-INK6
Protein Family	Cyclin-dependent kinase 4 inhibitor
UniProt Gene Name	CDKN2C
UniProt Synonym Gene Names	CDKN6
UniProt Entry Name	CDN2C_HUMAN
NCBI Protein Information	cyclin-dependent kinase 4 inhibitor C; p18-INK6; CDK6 inhibitor p18; cyclin-dependent inhibitor; cyclin-dependent kinase 6 inhibitor p18
NCBI Summary for CDKN2C	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. [provided by RefSeq, Jul 2008]
UniProt Comments for CDKN2C	CDKN2C: Interacts strongly with CDK6, weakly with CDK4. Inhibits cell growth and proliferation with a correlated dependence on endogenous retinoblastoma protein RB. Heterodimer of p18 with CDK6. Highest levels found in skeletal muscle. Also found in pancreas and heart. Belongs to the CDKN2 cyclin-dependent kinase inhibitor family. Protein type: Protein kinase, regulatory subunit; Cell cycle regulation; Inhibitor Chromosomal Location of Human Ortholog: 1p32 Cellular Component: cytoplasm; cytosol; nucleus Molecular Function: cyclin-dependent protein kinase inhibitor activity; protein binding; protein kinase binding Biological Process: negative regulation of cell proliferation; oligodendrocyte differentiation; negative regulation of phosphorylation; negative regulation of cell growth; regulation of cyclin-dependent protein kinase activity; mitotic cell cycle; cell cycle arrest; G1/S transition of mitotic cell cycle
Research Articles on CDKN2C	**1.** this studydemonstrated abundant levels of the critical negative cell-cycle regulators, p27(Kip1), its phosphorylated form, p-p27(S10), p18Ink4c, and GSK-3, in beta-cells of both adult human and mouse pancreatic islets, which contribute to maintenance of beta-cell quiescence.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/cyclin-dependent-kinase-inhibitor-2c/710552