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CDKN1C Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1482a

Product Information

Application	WB, E
Primary Accession	P49918
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3E3
Isotype	IgG1
Calculated MW	32177
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.

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 E~~N/A
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.

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

References

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

Images

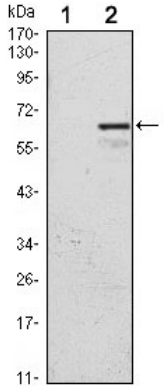

Figure 1: Western blot analysis using CDKN1C mAb against HEK293 (1) and CDKN1C(AA: 214-316)-hIgGFc transfected HEK293 (2) cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.