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CCNG1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11209b

Product Information

Application	WB, FC, E
Primary Accession	P51959
Other Accession	Q52QT8, NP_004051
Reactivity	Human, Mouse
Predicted	Pig, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14997
Calculated MW	34074
Antigen Region	243-272

Additional Information

Gene ID	900
Other Names	Cyclin-G1, Cyclin-G, CCNG1, CCNG, CYCG1
Target/Specificity	This CCNG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-272 amino acids from the C-terminal region of human CCNG1.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	CCNG1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCNG1
Synonyms	CCNG, CYCG1
Function	May play a role in growth regulation. Is associated with G2/M phase arrest

	in response to DNA damage. May be an intermediate by which p53 mediates its role as an inhibitor of cellular proliferation (By similarity).
Cellular Location	Nucleus. Note=DNA replication foci after DNA damage
Tissue Location	High levels in skeletal muscle, ovary, kidney and colon

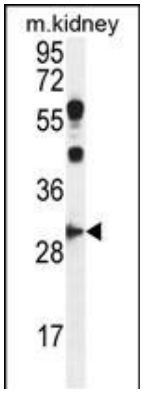
Background

The eukaryotic cell cycle is governed by cyclin-dependent protein kinases (CDKs) whose activities are regulated by cyclins and CDK inhibitors. The protein encoded by this gene is a member of the cyclin family and contains the cyclin box. The encoded protein lacks the protein destabilizing (PEST) sequence that is present in other family members. Transcriptional activation of this gene can be induced by tumor protein p53. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq].

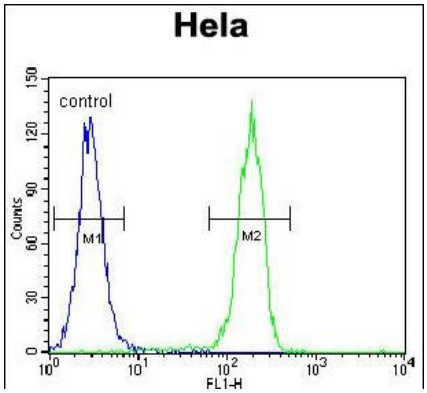
References

Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009) Fornari, F., et al. Cancer Res. 69(14):5761-5767(2009) Li, H., et al. Mol. Cell. Biol. 29(3):919-928(2009) Piscopo, D.M., et al. Cancer Res. 68(14):5581-5590(2008) Seo, H.R., et al. J. Biol. Chem. 283(23):15601-15610(2008)

Images



CCNG1 Antibody (C-term) (Cat. #AP11209b) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the CCNG1 antibody detected the CCNG1 protein (arrow).



CCNG1 Antibody (C-term) (Cat. #AP11209b) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- MicroRNA-9 inhibition of cell proliferation and identification of novel miR-9 targets by transcriptome profiling in breast cancer cells.

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