10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CCNG2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16698c

Specification

CCNG2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q16589
Other Accession	NP_004345.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**38866**
Antigen Region	**215-243**

CCNG2 Antibody (Center) - Additional Information

Gene ID 901

Other Names
Cyclin-G2, CCNG2

Target/Specificity
This CCNG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 215-243 amino acids from the Central region of human CCNG2.

Dilution
WB~~1:1000

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
CCNG2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CCNG2 Antibody (Center) - Protein Information

Name CCNG2

Function May play a role in growth regulation and in negative regulation of cell cycle progression.

Cellular Location
Cytoplasm.

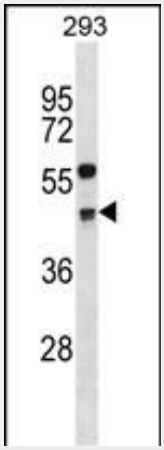
Tissue Location
High levels in cerebellum, thymus, spleen and prostate. Low levels in skeletal muscle

CCNG2 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CCNG2 Antibody (Center) - Images



CCNG2 Antibody (Center) (Cat. #AP16698c) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the CCNG2 antibody detected the CCNG2 protein (arrow).

CCNG2 Antibody (Center) - Background

The eukaryotic cell cycle is governed by cyclin-dependent protein kinases (CDKs) whose activities are regulated by cyclins and CDK inhibitors. The 8 species of cyclins reported in mammals, cyclins A through H, share a conserved amino acid sequence of about 90 residues called the cyclin box. The amino acid sequence of cyclin G is well conserved among mammals. The nucleotide sequence of cyclin G1 and cyclin G2 are 53% identical. Unlike cyclin G1, cyclin G2 contains a C-terminal PEST protein destabilization motif, suggesting that cyclin G2 expression is tightly regulated through the cell cycle.

CCNG2 Antibody (Center) - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)

Choi, M.G., et al. J. Surg. Res. 157(2):168-174(2009)
Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009)
Xu, G., et al. Mol. Biol. Cell 19(11):4968-4979(2008)
Kasukabe, T., et al. Cancer Sci. 99(8):1693-1698(2008)