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

Cyclin G1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51054

Specification

Cyclin G1 Antibody - Product Information

Application	**WB**
Primary Accession	P51959
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**29 KDa**
Antigen Region	**161 - 220**

Cyclin G1 Antibody - Additional Information

Gene ID 900

Other Names
Cyclin-G1, Cyclin-G, CCNG1, CCNG, CYCG1

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cyclin G1. The exact sequence is proprietary.

Dilution
WB~~ 1:1000

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Cyclin G1 Antibody - 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

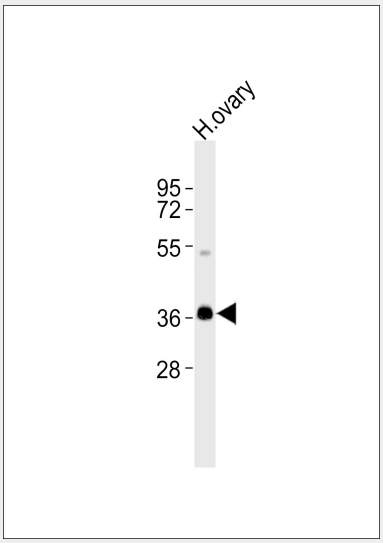
Tissue Location
High levels in skeletal muscle, ovary, kidney and colon

Cyclin G1 Antibody - 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

Cyclin G1 Antibody - Images



Anti-Cyclin G1 Antibody at 1:1000 dilution + human ovary lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Cyclin G1 Antibody - Background

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).

Cyclin G1 Antibody - References

Horne M.C.,et al.J. Biol. Chem. 271:6050-6061(1996).
Bates S.A.,et al.Oncogene 13:1103-1109(1996).
Endo Y.,et al.Genomics 38:92-95(1996).
Reimer C.L.,et al.J. Biol. Chem. 274:11022-11029(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).