

Product name:	Cyclin G Rabbit Polyclonal Antibody
Cat number:	ABN09600
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human Cyclin G. AA range:161-210
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight:	29kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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, Jul 2008],developmental stage:Very low levels in normal cells during G1 phase, which increase as cells enter the S phase and stay high throughout the S and G2/M phases. In breast cancer cells consistent high levels are found throughout the cell cycle.,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.,induction:Activated in breast and prostate cancer cells. Activated by actinomycin-D induced DNA damage.,similarity:Belongs to the cyclin family. Cyclin G subfamily.,subcellular location:DNA replication foci after DNA damage.,tissue specificity:High levels in skeletal muscle, ovary, kidney and colon.,