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

CCNG1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CCNG1.
Catalog # AT1420a

Product Information

Application	E
Primary Accession	P51959
Other Accession	BC000196
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1E4
Calculated MW	34074

Additional Information

Gene ID	900
Other Names	Cyclin-G1, Cyclin-G, CCNG1, CCNG, CYCG1
Target/Specificity	CCNG1 (AAH00196, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CCNG1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

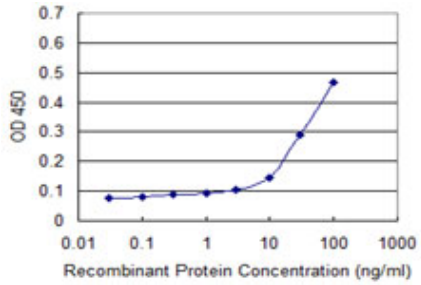
The eukaryotic cell cycle is governed by cyclin-dependent protein kinases (CDKs) whose activities are regulated by cyclins and CDK inhibitors. The protein encoded by this gene is a member of the cyclin family and contains the cyclin box. The encoded protein lacks the protein destabilizing (PEST) sequence 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.

References

Cell cycle genes and ovarian cancer susceptibility: a tagSNP analysis. Cunningham JM, et al. Br J Cancer, 2009 Oct 20. PMID 19738611.MiR-122/cyclin G1 interaction modulates p53 activity and affects doxorubicin

sensitivity of human hepatocarcinoma cells. Fornari F, et al. Cancer Res, 2009 Jul 15. PMID 19584283.Lysine-independent turnover of cyclin G1 can be stabilized by B'alpha subunits of protein phosphatase 2A. Li H, et al. Mol Cell Biol, 2009 Feb. PMID 18981217.A role for the cyclin box in the ubiquitin-mediated degradation of cyclin G1. Piscopo DM, et al. Cancer Res, 2008 Jul 15. PMID 18632610.Cdk5-mediated phosphorylation of c-Myc on Ser-62 is essential in transcriptional activation of cyclin B1 by cyclin G1. Seo HR, et al. J Biol Chem, 2008 Jun 6. PMID 18408012.

Images



Detection limit for recombinant GST tagged CCNG1 is approximately 10ng/ml as a capture antibody.

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