Datasheet for ABIN2792152

anti-Cyclin G1 antibody (N-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	Cyclin G1 (CCNG1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin G1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CCNG1
Sequence:	IEVLTTTDSQ KLLHQLNALL EQESRCQPKV CGLRLIESAH DNGLRMTARL
Predicted Reactivity:	Cow: 100%, Dog: 92%, Human: 100%, Mouse: 92%, Pig: 92%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against CCNG1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Cyclin G1 (CCNG1)
Alternative Name:	CCNG1 (CCNG1 Products)

Target Details

Background:	The eukaryotic cell cycle is governed by cyclin-dependent protein kinases (CDKs) whose activities are regulated by cyclins and CDK inhibitors. CCNG1 is a member of the cyclin family and contains the cyclin box. It 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.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. Alias Symbols: CCNG Protein Interaction Partner: KRTAP10-7, SPERT, KRT40, LZTS2, HMBOX1, PAK7, TFIP11, RBPMS, TNIP1, PNMA1, SHKBP1, PLEKHA4, TFAP2C, NFATC4, LTBP3, GRN, APP, UBC, CDK2, TP73, TP53, PPP2CA, GAK, PPP2R4, CDKN2A, COX2, MDM2, CDK5, Protein Size: 295
Molecular Weight:	34 kDa
Gene ID:	900
NCBI Accession:	NM_004060, NP_004051
UniProt:	P51959
Pathways:	p53 Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 295 AA
Restrictions:	For Research Use only

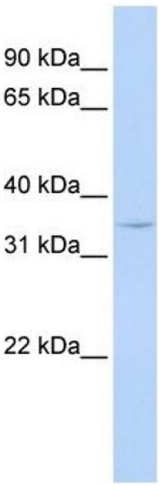
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

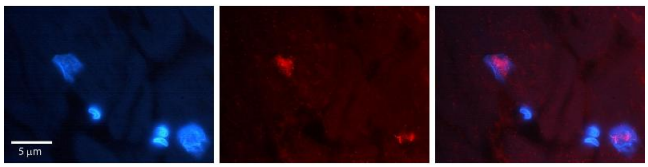
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CCNG1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: MCF7 cell lysate



Immunohistochemistry

Image 2. Rabbit Anti-CCNG1 Antibody AV Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Nucleus Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec