bs-3822R **[Primary Antibody]**

CCNG2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 901 **SWISS:** Q16589

Target: CCNG2

Immunogen: KLH conjugated synthetic peptide derived from human CCNG2: 151-250/344.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Cyclin G2 may play a role in growth regulation and in negative regulation of cell cycle progesssion. Cyclin G2 expression levels increase through the cell cycle to peak in the mid/late-S phase and decrease during G2/M phase. It may also contribute in maintaining the quiescent state of differentiated cells. Cyclin G2 is similar to cyclin A in the cyclin box, although no kinase activity is detected.

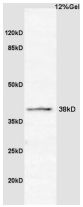
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (2ug/Test)

Reactivity: Human, Rat (predicted: Mouse, Pig, Cow, Dog, Horse)

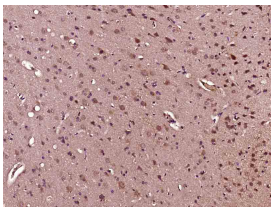
Predicted MW.: 38 kDa

Subcellular Location: Cytoplasm

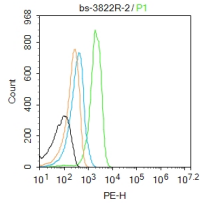
VALIDATION IMAGES



Sample: Brain(Rat) lysate at 30ug; Primary: Anti-Cyclin G2 (bs-3822R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 38kD Observed band size : 38kD May be formed of homo-dimer



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cyclin G2) Polyclonal Antibody, Unconjugated (bs-3822R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control:A431. Primary Antibody (green line): Rabbit Anti-Cyclin G2 antibody (bs-3822R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=4.2]** Yuan, Qing, et al. "Docetaxel-loaded solid lipid nanoparticles suppress breast cancer cells growth with reduced myelosuppression toxicity." International Journal of Nanomedicine 9 (2014): 4829. WB ;Mouse. 25378924