bs-0538R

[Primary Antibody]

Cdkn1c Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Polyclonal
GeneID: 246060
SWISS: E9PTV7
Target: Cdkn1c
Immunogen: KLH conjugated synthetic peptide derived from rat Cdkn1c: 291-343/343.
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: This gene is imprinted, with preferential expression of the maternal allele. The encoded protein is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndorome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2010].

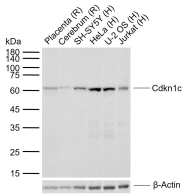
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (0.2ug/test)

Reactivity: Human, Mouse, Rat (predicted: Sheep, Cow)

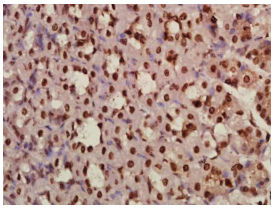
Predicted MW.: 35 kDa

Subcellular Location: Nucleus

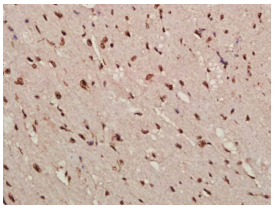
VALIDATION IMAGES



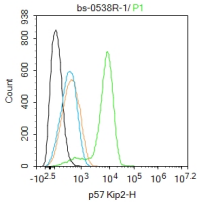
Sample: Lane 1: Rat Placenta tissue lysates Lane 2: Rat Cerebrum tissue lysates Lane 3: Human SH-SY5Y cell lysates Lane 4: Human HeLa cell lysates Lane 5: Human U-2 OS cell lysates Lane 6: Human Jurkat cell lysates Primary: Anti-Cdkn1c (bs-0538R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kDa Observed band size: 61 kDa



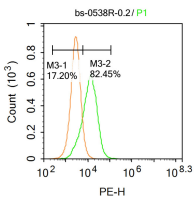
Paraformaldehyde-fixed, paraffin embedded (Mouse stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p57 Kip2) Polyclonal Antibody, Unconjugated (bs-0538R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat heart); 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 (p57 Kip2) Polyclonal Antibody, Unconjugated (bs-0538R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control: SH-SY5Y. Primary Antibody (green line): Rabbit Anti-p57 Kip2/Cdkn1c antibody (bs-0538R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then



Blank control: Hela. Primary Antibody (green line): Rabbit Anti-p57 Kip2/Cdkn1c antibody (bs-0538R) Dilution: 1µg /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

permeabilized with 90% ice-cold methanol for 20 min at -20°C.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.

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SELECTED CITATIONS

- **[IF=21.3]** Grigorash Bogdan B.. et al. p16High senescence restricts cellular plasticity during somatic cell reprogramming. NAT CELL BIOL. 2023 Aug;25(9):1265-1278 IF ;Mouse. 37652981