
CDKN1B Mouse mAb

Catalog Number: bsm-51281M

Target Protein: CDKN1B

Concentration: 1mg/1ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 10B7

Isotype: IgG1

Applications: WB (1:500-1000), IHC-P (1:100-500), IHC-F (1:20-200), IF (1:20-200)

Reactivity: Human

Predicted MW: 22 kDa

Entrez Gene: 1027

Swiss Prot: P46527

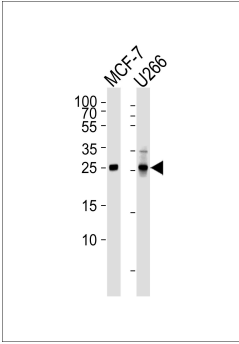
Purification: affinity purified by Protein G

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

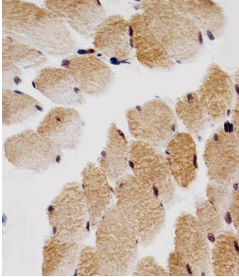
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Cell cycle progression is regulated by cyclins and their cognate Cdk. p27 KIP 1 is a cell cycle regulatory mitotic inhibitor of cdk activity. p27 KIP 1 is a candidate tumor suppressor gene, and has been proposed to function as a possible mediator of TGF beta induced G1 arrest. p27 KIP 1 is up regulated in response to antimitogenic stimuli. The increased protein expression of p27 results in cellular arrest by binding to cyclin/Cdk complexes such as cyclin D1/Cdk4. p27 Kip1 is regulated by phosphorylation on serine 10 (S10) and threonine 187 (T187). Phosphorylation by CDK2 on T187 results in ubiquitylation and degradation of p27 Kip 1; while phosphorylation by hKIS on S10 signals the nuclear export to the cytoplasm.

VALIDATION IMAGES



Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human U266 cell lysates Primary: Anti-CDKN1B (bsm-51281M) at 1/1000 dilution Secondary: goat anti-mouse IgG H&L(HRP) at 1:3000 dilution Predicted band size: 22 kDa Observed band size: 25 kDa



Immunohistochemical analysis of paraffin-embedded H. skeletal muscle section using CDKN1B Antibody(bsm-51281M). bsm-51281M was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.1] Ruixue Zhang. et al. The miR-15b-5p/miR-379-3p-FOXO axis regulates cell cycle and apoptosis in scleral remodeling during experimental myopia. J TRANSL MED. 2024; 22: 710 WB ; Guinea pig . 39080755

[IF=1.224] Huihui Wang. et al. Regulation of GDF9 and CDKN1B expression in Tibetan sheep testes during different stages of maturity. Gene Expr Patterns. 2021 Nov;:119218 WB,IF ; Sheep . 34826605