
phospho-CDKN1B (Ser178) Rabbit pAb

Catalog Number: bs-5236R

Target Protein: phospho-CDKN1B (Ser178)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

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

Predicted MW: 22 kDa

Subcellular Cytoplasm ,Nucleus

Locations:

Entrez Gene: 1027

Swiss Prot: P46527

Source: KLH conjugated Synthesised phosphopeptide derived from human CDKN1B around the phosphorylation site of Ser178: DG(p-S)PN.

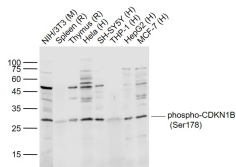
Purification: affinity purified by Protein A

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

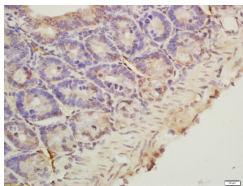
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

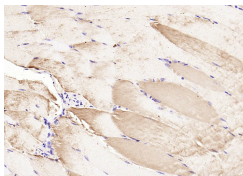
VALIDATION IMAGES



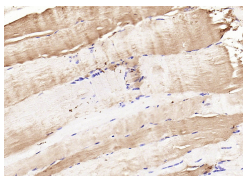
Sample: Lane 1: NIH/3T3 (Mouse) Cell Lysate at 30 ug Lane 2: Spleen (Rat) Lysate at 40 ug Lane 3: Thymus (Rat) Lysate at 40 ug Lane 4: HeLa (Human) Cell Lysate at 30 ug Lane 5: SH-SY5Y (Human) Cell Lysate at 30 ug Lane 6: THP-1 (Human) Cell Lysate at 30 ug Lane 7: HepG2 (Human) Cell Lysate at 30 ug Lane 8: MCF-7 (Human) Cell Lysate at 30 ug Primary: Anti-phospho-CDKN1B (Ser178) (bs-5236R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD Observed band size: 27 kD



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-phospho-CDKN1B(Ser178) Polyclonal Antibody, Unconjugated(bs-5236R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (mouse skeletal muscle); 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 (phospho-CDKN1B (Ser178)) Polyclonal Antibody, Unconjugated (bs-5236R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle); 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 (phospho-CDKN1B (Ser178)) Polyclonal Antibody, Unconjugated (bs-5236R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.