[Primary Antibody]

phospho-Rb (Ser249) Rabbit pAb



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— DATASHEET ————		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GenelD: 5925	SWISS: P06400	ICC/IF (1:100)
Target: Rb (Ser249)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Rb around the phosphorylation site of Ser249: NG(p-S)PR.		an (predicted: Rabbit, Pig, Cow, Dog, Horse)
Purification: affinity purified by F	Protein A	
Concentration: 1mg/ml		Predicted MW.: ^{106 kDa}
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.		Subcellular Location:
Background: The protein encode cycle and was the fi protein also stabiliz the overall chromat form of the protein gene are a cause of cancer, and osteog Rb is a tumor suppr regulator of the cell including E2F1, PUJ alter transcription i the cyclin depender on serine and threo complex with SV40 papilloma virus 16E and loss of its funct Aberrations in the R breast, colon, prost	d by this gene is a negative regulator of the constitutive heterochromatin to maintain in structure. The active, hypophosphorylated binds transcription factor E2F1. Defects in thi childhood cancer retinoblastoma (RB), bladd enic sarcoma. essor gene which functions as a negative cycle by interacting with transcription factor , ATF2, UBF, Elf1 and cAbl. This ability of Rb to seregulated by phosphorylation catalyzed by nt protein kinases (cdks). Rb is phosphorylated nine, but not on tyrosine residues. It forms a large T antigen, adenovirus E1A, and human . Rb protein may act by regulating transcription to leads to uncontrolled cell growth. b gene have been implicated in cancers of ate, kidney, nasopharynx, and leukemia.	ell ed ser s b d on

– VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (phospho-Rb (Ser249)) Polyclonal Antibody, Unconjugated (bs-3558R) 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 kidney); 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-Rb (Ser249)) Polyclonal Antibody, Unconjugated (bs-3558R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



MCF-7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-Rb (Ser249)) polyclonal Antibody, Unconjugated (bs-3558R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.