bs-6582R

[Primary Antibody]

RNA polymerase II CTD repeat YSPTSPS (phospho S5) Rabbit pAb

Bio'ss ANTIBODIES

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

- DATASHEE	ЕТ ———		
Host:	Rabbit	lsotype: lgG	Apj
Clonality:	Polyclonal		
GenelD:	5430	SWISS: P24928	
Target:	RNA polymera	ase II CTD repeat YSPTSPS (phospho S5)	
Immunogen:	KLH conjugat RNA polymera PT(p-S)PS.	ed Synthesised phosphopeptide derived from human ase II CTD around the phosphorylation site of Ser5:	
Purification:	affinity purifie	ed by Protein A	
Concentration:	1mg/ml		
Storage:	0.01M TBS (pł Glycerol. Shipped at 4° freeze/thaw c	H7.4) with 1% BSA, 0.02% Proclin300 and 50% C. Store at -20°C for one year. Avoid repeated ycles.	S
Background:	DNA-depende into RNA using Largest and cc synthesizes m RNAs. Forms t largest subun polymerase II elements that element with to open and c the incoming stranded DNA the central ac RPB1 and cros promote trans RNA-DNA hyb to bent confor transcription el transcription el phosphorylati largest subun factors that re and mRNA pro when associat acting both as circular genor	nt RNA polymerase catalyzes the transcription of DNA g the four ribonucleoside triphosphates as substrates. atalytic component of RNA polymerase II which iRNA precursors and many functional non-coding the polymerase active center together with the second it. Pol II is the central component of the basal RNA transcription machinery. It is composed of mobile move relative to each other. RPB1 is part of the core the central large cleft, the clamp element that moves lose the cleft and the jaws that are thought to grab DNA template. At the start of transcription, a single template strand of the promoter is positioned within tive site cleft of Pol II. A bridging helix emanates from sses the cleft near the catalytic site and is thought to clocation of Pol II by acting as a ratchet that moves the rid through the active site by switching from straight mations at each step of nucleotide addition. During elongation, Pol II moves on the template as the ngates. Elongation is influenced by the on status of the C-terminal domain (CTD) of Pol II it (RPB1), which serves as a platform for assembly of egulate transcription initiation, elongation, termination occessing. Acts as a RNA-dependent RNA polymerase ted with small delta antigen of Hepatitis delta virus, a replicate and transcriptase for the viral RNA ne.	

– VALIDATION IMAGES



Tissue/cell: human laryngo carcinoma; 4% Paraformaldehyde-fixed and paraffinembedded; 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-RNA polymerase II CTD repeat YSPTSPS (phospho S5) Polyclonal Antibody, Unconjugated(bs-6582R) 1:200, overnight at 4°C,



Blank control: Hela. Primary Antibody (green line): Rabbit Anti-RNA polymerase II CTD repeat YSPTSPS antibody (bs-6582R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat antirabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in plications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1ug/Test)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Cow, Dog)

Predicted MW.: 240 kDa

Subcellular Location: Nucleus followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

5%BSA to block non-specific protein-protein interactions for 30 min at -20°C .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.