

bs-12412R**[Primary Antibody]****phospho-SP1 (Thr453) Rabbit pAb****BioSS**
ANTIBODIES

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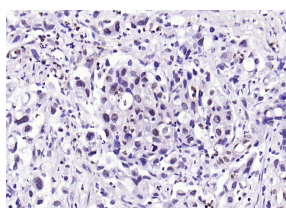
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 6667	SWISS: P08047	
Target: phospho-SP1 (Thr453)		Reactivity: Human (predicted: Mouse, Rat)
Immunogen: KLH conjugated synthesised phosphopeptide derived from human SP1 around the phosphorylation site of Thr453: IR(p-T)PT.		
Purification: affinity purified by Protein A		Predicted MW.: 81 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
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: Profound changes in patterns of gene expression can result from relatively small changes in the concentrations of sequence specific transcription factors. Synergistic interaction between factors bound to different sites within a transcriptional control region is supported by the work of Courey et al. (1989). Sp1 is a sequence specific transcription factor that recognizes GGGCGGGGC and closely related sequences, which are often referred to as GC boxes. Sp1 binds to GC box promoters elements and selectively activates mRNA synthesis from genes that contain functional recognition sites. SP1 can interact with G/C rich motifs from serotonin receptor promoter. Kadonaga et al. (1987) cloned the human Sp1 cDNA and showed that it has contiguous zinc finger motifs and requires zinc for sequence specific binding to DNA. Alternate: Sp1 transcription factor isoform a; TSFP1; TSFP 1; Specificity protein 1; Transcription factor Sp1.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); 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-SP1 (Thr453)) Polyclonal Antibody, Unconjugated (bs-12412R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=2.523]** Zhang C et al. Caveolin-1 promotes Rfng expression via Erk-Jnk-p38 signaling pathway in mouse hepatocarcinoma cells. J Physiol Biochem. 2019 Sep 16. WB ;Mouse. 31529314
- **[IF=2.7]** Williquett Jillian. et al. AMPK-SP1-Guided Dynein Expression Represents a New Energy-Responsive Mechanism

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

and Therapeutic Target for Diabetic Nephropathy. Kidney360. 2024 Mar;:10.34067/KID.000000000000392 IHC ;Mouse.
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