

bs-5641R**[Primary Antibody]****phospho-SOX9 (Ser181) Rabbit pAb****Bioss**
ANTIBODIES

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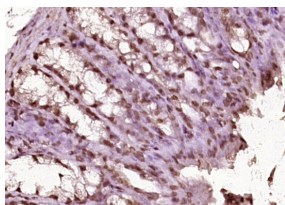
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 6662		IF (1:100-500)
Target: SOX9 (Ser181)		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Chicken, Dog)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human SOX9 around the phosphorylation site of Ser181: RK(p-S)VK.		Predicted MW.: 60 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cytoplasm ,Nucleus
Concentration: 1mg/ml		
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: May be involved in chondrogenesis (cartilage development) during bone formation. Unlikely to play a role in sex determination but may function during testicular and ovarian differentiation (By similarity). Transcriptional activator. Acts early in neural crest formation, functioning redundantly with the other group E Sox factors sox8 and sox10 to induce neural crest progenitors. Induces sox10 expression downstream of wnt-signaling. Principally involved in development of the cranial neural crest, which is fated to form skeletal elements. Also required for otic placode specification during inner ear development.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Mouse colon); 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-SOX9(Ser181)) Polyclonal Antibody, Unconjugated (bs-5641R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.