

bs-20563R**[Primary Antibody]****SOX10 Rabbit pAb****Bioss**
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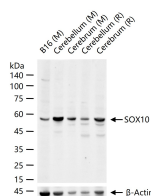
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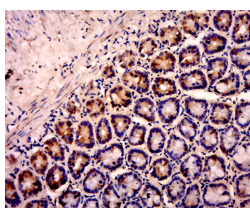
— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 6663	SWISS: P56693	IHC-F (1:100-500)
Target: SOX10		IF (1:100-500)
		Flow-Cyt (1ug/Test)
Immunogen: KLH conjugated synthetic peptide derived from human SOX10: 201-300/466.		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 50 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: Cytoplasm ,Nucleus
Background: This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development. Mutations in this gene are associated with Waardenburg-Shah and Waardenburg-Hirschsprung disease. [provided by RefSeq, Jul 2008]		

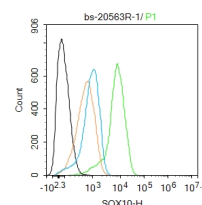
— VALIDATION IMAGES —



25 ug total protein per lane of various lysates (see on figure) probed with SOX10 polyclonal antibody, unconjugated (bs-20563R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (rat 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 (SOX10) Polyclonal Antibody, Unconjugated (bs-20563R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: B16. Primary Antibody (green line): Rabbit Anti-SOX10 antibody (bs-20563R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/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 -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. 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.

— SELECTED CITATIONS —

- **[IF=4.5]** Bo Li. et al. IF-7 and GALA modified PEG-PDMAEMA loaded SOX10 siRNA nanoparticles: Preparation, cellular delivery, and inhibition on progression of triple negative breast cancer and its bone metastasis in vitro. J DRUG DELIV SCI TEC. 2024 Oct;100:106115 WB ;Human. 10.1016/j.jddst.2024.106115
- **[IF=4.101]** Yun Wang. et al. Prucalopride might improve intestinal motility by promoting the regeneration of the enteric

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nervous system in diabetic rats. INT J MOL MED. 2022 Jul;50(1):1-10 IHC ;Rat. 35543167

- **[IF=3.4]** Hongjuan Wang. et al. Differentiation of cultured hair follicle neural crest stem cells into functional melanocytes. HELIYON. 2024 Aug;10: IF ;Mouse. 39170163