bs-20563R

[Primary Antibody]

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SOX10 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 6663 **SWISS:** P56693

Target: SOX10

Immunogen: KLH conjugated synthetic peptide derived from human SOX10:

201-300/466.

Purification: affinity purified by Protein A

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: 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]

Applications: WB (1:500-2000)

Flow-Cyt (1ug/Test)

Reactivity: Mouse, Rat

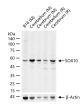
(predicted: Human, Rabbit, Pig, Sheep, Cow, Dog)

Predicted 50 kDa

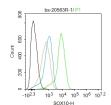
MW.:

Subcellular Cytoplasm ,Nucleus

- 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.



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

lanocytes. HELIYON. 2024 Aug;10: IF ;Mouse. 39170163				