

bs-11208R**[Primary Antibody]****SOX4 Rabbit pAb****Bioss**
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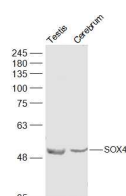
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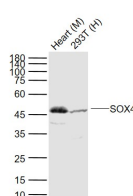
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 6659**SWISS:** Q06945**Target:** SOX4**Immunogen:** KLH conjugated synthetic peptide derived from human SOX4: 54-103/474.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

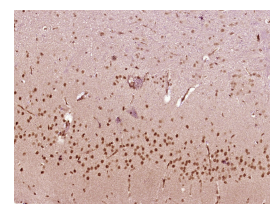
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Sox genes comprise a family of genes that are related to the mammalian sex determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. The highly complex group of Sox genes cluster at least 40 different loci that rapidly diverged in various animal lineages. At present, 30 Sox genes have been identified. Members of this family have been shown to be conserved during evolution and to play key roles during animal development. Some are involved in human diseases, including sex reversal.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (2ug/Test)**Reactivity:** Human, Mouse, Rat
(predicted: Chicken)**Predicted MW.:** 52 kDa**Subcellular Location:** Nucleus**VALIDATION IMAGES**

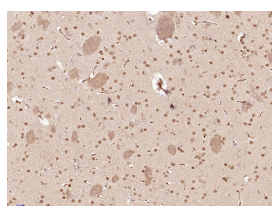
Sample: Testis (Mouse) Lysate at 40 ug
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti-SOX4 (bs-11208R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 52 kD
Observed band size: 52 kD



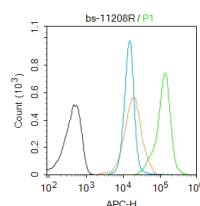
Sample: Lane 1: Mouse Heart tissue lysates
Lane 2: Human 293T cell lysates
Primary: Anti-SOX4 (bs-11208R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 52 kDa
Observed band size: 46 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (SOX4) Polyclonal Antibody, Unconjugated (bs-11208R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded



Blank control: Molt4. Primary Antibody (green)

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

(Mouse brain); 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 (SOX4) Polyclonal Antibody, Unconjugated (bs-11208R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

line): Rabbit Anti-SOX4 antibody (bs-11208R)
Dilution: 2µg /10⁶ cells; Isotype Control
Antibody (orange line): Rabbit IgG . Secondary
Antibody : Goat anti-rabbit IgG-APC 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 -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=5.201]** Jingxuan Li. et al. Long Non-coding RNA H19 Regulates Porcine Satellite Cell Differentiation Through miR-140-5p/SOX4 and DBN1. *Front Cell Dev Biol.* 2020; 8: 518724 WB ;Pig. 33324629
- **[IF=4.599]** Juan Tan. et al. Circ_0124644 Serves as a ceRNA for miR-590-3p to Promote Hypoxia-Induced Cardiomyocytes Injury via Regulating SOX4. *Front Genet.* 2021; 12: 667724 WB ;Human. 34249089
- **[IF=4.8]** Yanmiao Ma. et al.Cornua cervi degelatinatum inhibits breast cancer stem-like cell properties and metastasis via miR-148a-3p-mediated TGF-β/Smad2 pathway..*JOURNAL OF ETHNOPHARMACOLOGY.*2025 Mar 27:346:119709. Western blot,IHC ;Human. 40157402
- **[IF=4.8]** Yanmiao Ma. et al.Cornua cervi degelatinatum inhibits breast cancer stem-like cell properties and metastasis via miR-148a-3p-mediated TGF-β/Smad2 pathway..*JOURNAL OF ETHNOPHARMACOLOGY.*2025 Mar 27:346:119709. Western blot,IF ;Human. 40157402
- **[IF=2.8]** Mengxin Hu. et al. Establishment and characterization of cisplatin-resistant cell lines from canine mammary gland tumors. *THERIOGENOLOGY.* 2024 Mar;217:103 WB ;Dog. 10.1016/j.theriogenology.2024.01.017