

bs-3650R**[Primary Antibody]**

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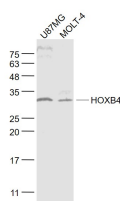
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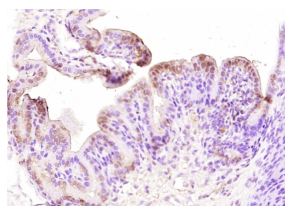
400-901-9800

HOXB4 Rabbit pAb**— DATASHEET —**

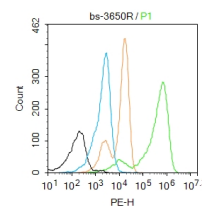
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test)
Clonality: Polyclonal		
GeneID: 3214	SWISS: P17483	
Target: HOXB4		
Immunogen: KLH conjugated synthetic peptide derived from human HOXB4: 151-251/251.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse (predicted: Rat, Pig, Sheep, Chicken, Dog)
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: HOXB4 is a homeodomain-containing transcription factor with diverse roles in embryonic development and the regulation of adult stem cells. It promotes proliferation of hematopoietic stem cells and can both activate and repress apoptosis.		
		Predicted MW.: 28 kDa Subcellular Location: Nucleus

— VALIDATION IMAGES —

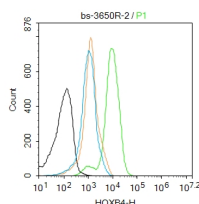
Sample: U87MG(Human) Cell Lysate at 30 ug
 MOLT-4(Human) Cell Lysate at 30 ug Primary:
 Anti- HOXB4 (bs-3650R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 28 kD
 Observed band size: 30 kD



Paraformaldehyde-fixed, paraffin embedded
 (Mouse placenta); 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 (HOXB4) Polyclonal Antibody,
 Unconjugated (bs-3650R) at 1:200 overnight at
 4°C, followed by operating according to SP
 Kit(Rabbit) (sp-0023) instructions and DAB
 staining.



Blank control:K562. Primary Antibody (green
 line): Rabbit Anti-HOXB4 antibody (bs-3650R)
 Dilution: 2µg /10⁶ cells; Isotype Control
 Antibody (orange line): Rabbit IgG . Secondary
 Antibody : Goat anti-rabbit IgG-PE 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.



Blank control:K562. Primary Antibody (green
 line): Rabbit Anti-HOXB4 antibody (bs-3650R)
 Dilution: 2µg /10⁶ cells; Isotype Control
 Antibody (orange line): Rabbit IgG . Secondary
 Antibody : Goat anti-rabbit IgG-FITC Dilution:
 0.5µg /test. Protocol The cells were fixed with 4%

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

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=2.6]** Emily Honzel. et al. Temporal Expression of Hox Genes and Phox2b in the Rat Nucleus Ambiguus During Development: Implications on Laryngeal Innervation. LARYNGOSCOPE. 2023 Jun;; IF ;Rat. 37350386