

**bs-13600R****[ Primary Antibody ]****HOXD8 Rabbit pAb****Bioss**  
**ANTIBODIES**

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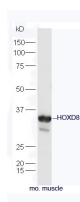
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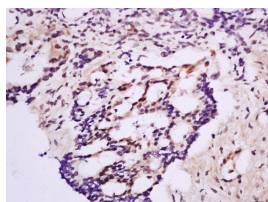
400-901-9800

**— DATASHEET —**

|   |                      |   |
|---|----------------------|---|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)                                 |
| <b>Clonality:</b> Polyclonal  |                      | <b>IHC-P</b> (1:100-500)  |
| <b>GeneID:</b> 3234   | <b>SWISS:</b> P13378 | <b>IHC-F</b> (1:100-500)  |
| <b>Target:</b> HOXD8  |                      | <b>IF</b> (1:100-500)   |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human HOXD8: 151-250/290.   |                      | <b>Reactivity:</b> Human, Mouse<br>(predicted: Rat, Pig, Sheep, Cow, Horse) |
| <b>Purification:</b> affinity purified by Protein A   |                      |   |
| <b>Concentration:</b> 1mg/ml  |                      | <b>Predicted MW.:</b> 32 kDa  |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  |                      | <b>Subcellular Location:</b> Nucleus  |
| <b>Background:</b> The Hox proteins are a family of transcription factors that play a role in development and cellular differentiation by regulating downstream target genes. Specifically, the Hox proteins direct DNA-protein and protein-protein interactions that assist in determining the morphologic features associated with the anterior-posterior body axis. Hox proteins are involved in controlling axial patterning, leukemias and hereditary malformations. HoxD8 (homeobox D8), also known as HOX4E, is a 290 amino acid protein that localizes to the nucleus and contains one homeobox DNA-binding domain. One of several members of the homeobox superfamily, HoxD8 functions as a sequence-specific transcription factor that is important for the correct positioning of developing limb buds on the anterior-posterior axis. |                      |   |

**— VALIDATION IMAGES —**

Protein: muscle(mouse) lysate at 40ug; Primary: rabbit Anti-HOXD8 (bs-13600R) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000; Predicted band size: 32 kD Observed band size: 34 kD



Tissue/cell: Human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-HOXC8 Polyclonal Antibody, Unconjugated(bs-13600R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=1.89]** Liu, Jun. et al. CircTMEM59 Serves as miR-410-3p Sponge to Inhibit the Proliferation and Metastasis of Colorectal Cancer by Regulating HOXD8. BIOCHEM GENET. 2022 Apr;;1-17 WB,IHC ;Mouse. 10.1007/s10528-022-10224-5