

bs-17363R

[Primary Antibody]

HOXB1 Rabbit pAb

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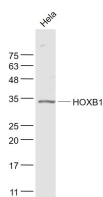
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— DATASHEET —

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 3211</p> <p>Target: HOXB1</p> <p>Immunogen: KLH conjugated synthetic peptide derived from human HOXB1: 221-301/301.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>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.</p> <p>Background: HOX genes play a fundamental role in the development of the vertebrate central nervous system, heart, axial skeleton, limbs, gut, urogenital tract and external genitalia. The homeobox gene Hoxb-1 is critical to hindbrain development and has phenotypic features frequently observed in autism. Analysis of expression and targeted disruption of Hoxb-1 demonstrates that it is also essential for patterning progenitor cells along the entire DV axis of rhombomere 4 (r4). Hoxb-1 maintains this function by acting very early during hindbrain neurogenesis to specify effectors of the sonic hedgehog and Mash1 signaling pathways. Hoxb2 is a homeodomain protein important in neural development that is also expressed during erythropoiesis, hindbrain development and normal human adult lung development. Hoxb2 may modulate the amount of gamma-globin mRNA expressed during development and differentiation. In addition, Hoxb2 plays an important role in the patterning of hindbrain and pharyngeal arches in the zebrafish.</p>	<p>Isotype: IgG</p> <p>Applications: WB (1:500-2000)</p> <p>Reactivity: Human (predicted: Mouse, Rabbit, Pig)</p> <p>Predicted MW.: 32 kDa</p> <p>Subcellular Location: Nucleus</p>
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— VALIDATION IMAGES —



Sample: HeLa(Human) Cell Lysate at 30 ug
Primary: Anti- HOXB1 (bs-17363R) at 1/300
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 32 kD Observed band size: 32 kD