



# Hox-A1/B1/D1 rabbit pAb

Cat No.:ES5762

For research use only

## Overview

<b>Product Name</b>	Hox-A1/B1/D1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HOXA1/B1/D1. AA range:216-265
<b>Specificity</b>	Hox-A1/B1/D1 Polyclonal Antibody detects endogenous levels of Hox-A1/B1/D1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Homeobox protein Hox-B1
<b>Gene Name</b>	HOXB1
<b>Cellular localization</b>	Nucleus.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	3211/3198/3231
<b>Human Swiss-Prot Number</b>	P14653/P49639/Q9GZZ0
<b>Alternative Names</b>	HOXB1; HOX2I; Homeobox protein Hox-B1; Homeobox protein Hox-2I; HOXA1; HOX1F; Homeobox protein Hox-A1; Homeobox protein Hox-1F; HOXD1; HOX4; HOX4G; Homeobox protein Hox-D1; Homeobox protein Hox-GG
<b>Background</b>	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important





role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXB genes located in a cluster on chromosome 17. [provided by RefSeq, Jul 2008],

Immunohistochemistry analysis of paraffin-embedded human testis tissue, using HOXA1/B1/D1 Antibody. The picture on the right is blocked with the synthesized peptide.

