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**Product Name: Hox-A1/B1/D1 Rabbit Polyclonal Antibody****Catalog #: APRab12165**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

**Dilution Ratio** IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000

**Molecular Weight**

**Antigen Information**

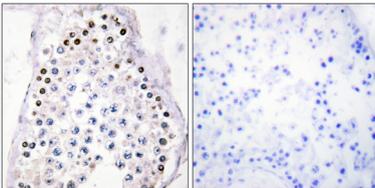
<b>Gene Name</b>	HOXB1 HOXB1; HOX2I; Homeobox protein Hox-B1; Homeobox protein Hox-2I; HOXA1; HOX1F;
<b>Alternative Names</b>	Homeobox protein Hox-A1; Homeobox protein Hox-1F; HOXD1; HOX4; HOX4G; Homeobox protein Hox-D1; Homeobox protein Hox-GG
<b>Gene ID</b>	3211/3198/3231
<b>SwissProt ID</b>	P14653/P49639/Q9GZZ0
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HOXA1/B1/D1. AA range:216-265

## Background

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],function:Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Acts on the anterior body structures.,polymorphism:The two common alleles; HOX1B\*A and HOX1B\*B have a frequency of 78.8% and 21.2% respectively.,similarity:Belongs to the Antp homeobox family. Labial subfamily.,similarity:Contains 1 homeobox DNA-binding domain.,

## Research Area

## Image Data



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