

## Anti-Homeobox protein Hox-A4 HOXA4 Antibody

Catalog Number: PA1603

### About HOXA4

HOXA4 (HOMEODOMAIN A4), also known as HOX1D or HOMOLOG OF, is a protein that in humans is encoded by the HOXA4 gene, which is also part of the A cluster on chromosome 7. HOXA4 encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. Its cytogenetic location is 7q15.2. In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development.

### Overview

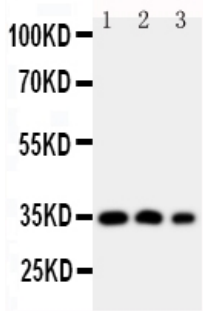
Product Name	Anti-Homeobox protein Hox-A4 HOXA4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Homeobox protein Hox-A4 HOXA4 Antibody catalog # PA1603. Tested in IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q00056

### Technical Details

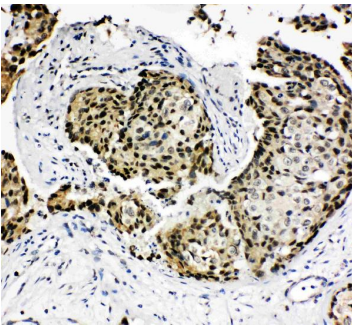
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human HOXA4, different from the related mouse sequence by two amino acids.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunocytochemistry , 0.5-1ug/ml, Human, -</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

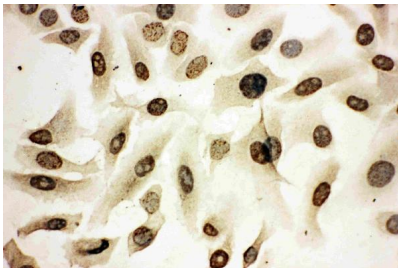
## Anti-Homeobox protein Hox-A4 HOXA4 Antibody (PA1603) Images



Anti-HOXA4 antibody, PA1603, Western blotting  
Lane 1: SW620 Cell Lysate  
Lane 2: SW620 Cell Lysate  
Lane 3: PC-12 Cell Nuclear Lysate



Anti-HOXA4 antibody, PA1603, IHC(P)  
IHC(P): Human Mammary Cancer Tissue



Anti-HOXA4 antibody, PA1603, ICC  
ICC: HELA Cell

## 2 Publications Citing This Product

1. PubMed ID: 10.1158/0008-5472.CAN-15-1566, PBX3 and MEIS1 Cooperate in Hematopoietic Cells to Drive Acute Myeloid Leukemias Characterized by a Core Transcriptome of the MLL-Rearranged Disease
2. PubMed ID: 26747896, PBX3 and MEIS1 Cooperate in Hematopoietic Cells to Drive Acute Myeloid Leukemias Characterized by a Core Transcriptome of the MLL-Rearranged Disease

Visit [bosterbio.com/anti-hoxa4-antibody-pa1603-boster.html](http://bosterbio.com/anti-hoxa4-antibody-pa1603-boster.html) to see all 2 publications.

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