

Anti-HOXA4 Antibody

Catalog # ABO10917

Product Information

Application	WB, IHC-P, ICC
Primary Accession	Q00056
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Homeobox protein Hox-A4(HOXA4) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3201
Other Names	Homeobox protein Hox-A4, Homeobox protein Hox-1.4, Homeobox protein Hox-1D, HOXA4, HOX1D
Calculated MW	34499
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat, Mouse
Subcellular Localization	Nucleus.
Tissue Specificity	Embryonic nervous system.
Source	Eukaryota
Protein Name	Homeobox protein Hox-A4
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human HOXA4(9-26aa NSNYIEPKFPFEEYAQH), different from the related mouse sequence by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the Antp homeobox family. Deformed subfamily.

Protein Information

Name	HOXA4
Synonyms	HOX1D
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. Binds to sites in the 5'-flanking sequence of its coding region with various affinities. The consensus sequences of the high and low affinity binding sites are 5'-TAATGA[CG]-3' and 5'-CTAATTTT-3'.
Cellular Location	Nucleus.
Tissue Location	Embryonic nervous system.

Background

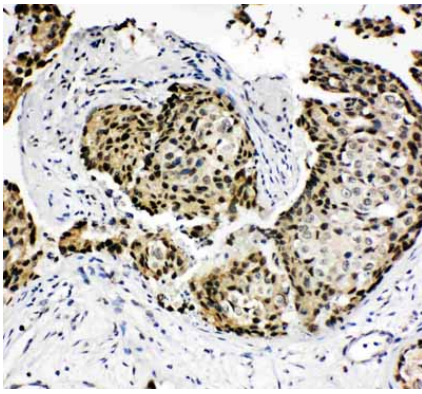
HOXA4(HOMEBOX A4), also known as HOX1D or HOMOLOG OF, is a protein that in humans is encoded by the HOXA4 gene, which is also part of the A cluster on chromosome 7. HOXA4 encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. Its cytogenetic 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.

Images



Anti-HOXA4 antibody, ABO10917, Western blotting
Lane 1: SW620 Cell Lysate Lane 2: SW620 Cell Lysate
Lane 3: PC-12 Cell Nuclear Lysate

Anti-HOXA4 antibody, ABO10917, IHC(P)IHC(P): Human
Mammary Cancer Tissue



Anti-HOXA4 antibody, ABO10917, ICCICC: HELA Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.