

Anti-HOXA3 Antibody

Catalog # ABO10916

Product Information

Application	WB, IHC-P
Primary Accession	O43365
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Homeobox protein Hox-A3(HOXA3) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3200
Other Names	Homeobox protein Hox-A3, Homeobox protein Hox-1E, HOXA3, HOX1E
Calculated MW	46369
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Subcellular Localization	Nucleus.
Source	Eukaryota
Protein Name	Homeobox protein Hox-A3
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HOXA3(427-443aa HHPSQGRIQEAPKLTHL), identical to the related rat and mouse sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, 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.

Protein Information

Name	HOXA3
Synonyms	HOX1E
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.
Cellular Location	Nucleus.

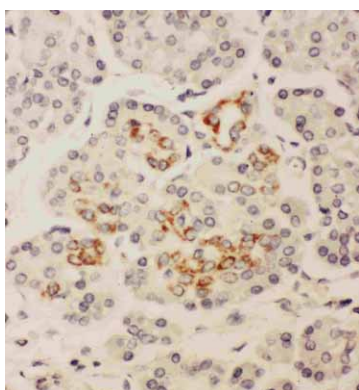
Background

HOXA3(HOMEODOMAIN A3) is a protein that in humans is encoded by the HOXA3 gene, which is also part of the A cluster on chromosome 7. HOXA3 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. HOXA3 protein is able to complement Hoxd3 deficiency when expressed in the context of the Hoxd3 allele.

Images



Anti-HOXA3 antibody, ABO10916, Western blotting
lanes: Anti HOXA3 (ABO10916) at 0.5ug/mlWB: SW620
Whole Cell Lysate at 40ugPredicted bind size:
46KDObserved bind size: 46KD



Anti-HOXA3 antibody, ABO10916, IHC(P)IHC(P): Human
Pancreatic Cancer Tissue