

**Anti-HOXA3 Antibody**  
**Catalog # ABO10916****Specification**

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**Anti-HOXA3 Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">O43365</a>
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.

**Anti-HOXA3 Antibody - Additional Information**

**Gene ID** 3200

**Other Names**

Homeobox protein Hox-A3, Homeobox protein Hox-1E, HOXA3, HOX1E

**Calculated MW**

46369 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Subcellular Localization**

Nucleus.

**Protein Name**

Homeobox protein Hox-A3

**Contents**

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>.

**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.

#### Sequence Similarities

Belongs to the Antp homeobox family.

### Anti-HOXA3 Antibody - 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

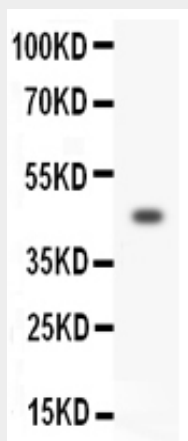
Nucleus.

### Anti-HOXA3 Antibody - Protocols

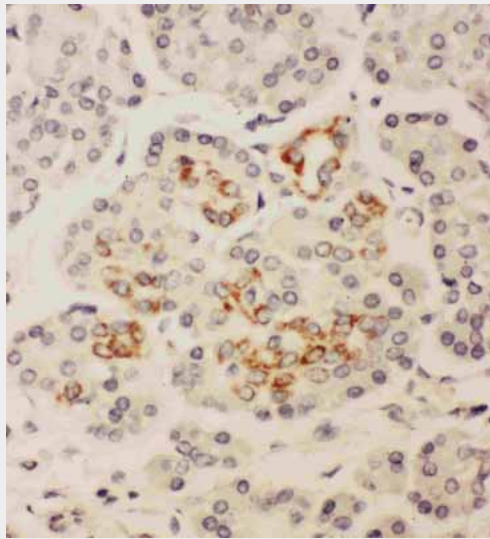
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-HOXA3 Antibody - Images



Anti-HOXA3 antibody, ABO10916, Western blotting All lanes: Anti HOXA3 (ABO10916) at 0.5ug/ml WB: SW620 Whole Cell Lysate at 40ug Predicted bind size: 46KD Observed bind size: 46KD



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

#### **Anti-HOXA3 Antibody - 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.