



## Rabbit Anti-HOXA3 antibody

SL11292R

<b>Product Name:</b>	HOXA3
<b>Chinese Name:</b>	同源盒基因HOXA3蛋白抗体
<b>Alias:</b>	Homeo box 1E; Homeo box A3; Homeobox 1E; Homeobox A3; Homeobox protein HOX A3; Homeobox protein Hox-1E; Homeobox protein Hox-A3; Homeobox protein HOXA3; Homeobox1E; HomeoboxA3; HOX 1; Hox 1.5 like protein; HOX 1E; HOX A3; HOX1; Hox1.5; Hox1.5 like protein; HOX1E; HOXA 3; HOXA3; HXA3 HUMAN; MGC10155.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Zebrafish,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	46kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HOXA3:201-300/443
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The Hox proteins play a role in development and cellular differentiation by regulating downstream target genes. Specifically, the Hox proteins direct DNA-protein and protein-protein interactions that assist in determining the morphologic features

associated with the anterior-posterior body axis. The mammalian HOX gene complex consists of 39 genes that are located on four linkage groups, which are dispersed over four chromosomes. HOX genes that occupy the same relative position along the 5' to 3' coordinate (trans-paralogous genes) are more similar in sequence and expression pattern than adjacent HOX genes on the same chromosome. HoxA3, in conjunction with Pax1, mediates the development of the thymus, parathyroid gland, and carotid body. Its expression in the third pharyngeal arch and pouch is required for development of the third arch artery, and homozygous null HoxA3 mutants lack the carotid body. HoxA3 also regulates hindbrain development by controlling the axon projection pattern of motor neurons and sensory neurons of the proximal and distal ganglia.

**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.

**Subcellular Location:**

Nucleus.

**Similarity:**

Belongs to the Antp homeobox family.  
Contains 1 homeobox DNA-binding domain.

**SWISS:**

O43365

**Gene ID:**

3200

**Database links:**

[Entrez Gene: 395231](#)Chicken

[Entrez Gene: 3200](#)Human

[Entrez Gene: 15400](#)Mouse

[Entrez Gene: 58049](#)Zebrafish

[Omim: 142954](#)Human

[SwissProt: Q7T3J5](#)Chicken

[SwissProt: O43365](#)Human

[SwissProt: P02831](#)Mouse

**Important Note:**

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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