

## Rabbit Anti-HOXA7/Cy5 Conjugated antibody

SL11295R-Cy5

<b>Product Name</b>	Anti-HOXA7/Cy5
<b>Chinese Name</b>	Cy5 标记的同源盒基因 HOXA7 蛋白抗体
<b>Alias</b>	ANTP; Homeobox A7; Homeobox protein Hox 1.1; Homeobox protein Hox A7; Homeobox protein Hox-1A; Homeobox protein Hox-A7; HOX1; Hox1A; HOXA7; HXA7_HUMAN.
<b>Research Area</b>	Cardiovascular Cell biology Neurobiology transcriptional regulatory factor Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human,Mouse,Rat(predicted:Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep) IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	25kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human HOXA7
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> HOX genes play a fundamental role in the development of the vertebrate central nervous system, heart, axial skeleton, limbs, gut, urogenital tract and external genitalia. The homeobox gene Hoxa-1 is transcriptionally regulated by retinoic acid (RA) and encodes a transcription factor, which has been shown to play important roles in cell differentiation and embryogenesis.

Hoxa-1 is also expressed in cancers, such as mammary tumors, though it is not expressed in normal gland or in precancerous mammary tissues. At embryonic stages, Hoxa-2 is expressed in the mesenchyme and epithelial cells of palate, however its expression is restricted to the tips of the growing palatal shelves. Hoxa-2 protein is predominantly expressed in the nuclei of cells in the ventral mantle region of the developing embryo. In the developing and adult mouse spinal cord, Hoxa-2 protein may contribute to dorsal-ventral patterning and/or to the specification of neuronal phenotype. Hoxa-7 functions as a potent transcriptional repressor and its action as such requires several domains, including both activator and repressor regions. Hoxa-7 is expressed in the fetal liver, lung, skeletal muscle, kidney, pancreas and placenta.

**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.

**DISEASE:**

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

**Database links:**

[Entrez Gene: 3204](#) Human

[Entrez Gene: 500126](#) Rat

[Omim: 142950](#) Human

[SwissProt: P31268](#) Human

[SwissProt: P09634](#) Rat

[Unigene: 610216](#) Human

[Unigene: 660918](#) Human

[Unigene: 203714](#) Rat

**Important Note:**

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



SunLong Biotech Co.,LTD  
Tel: 0086-571-56623320 Fax:0086-571-56623318  
E-mail:sales@sunlongbiotech.com  
www.sunlongbiotech.com

---