



## Rabbit Anti-CDX4 antibody

SL12301R

<b>Product Name:</b>	CDX4
<b>Chinese Name:</b>	尾型同源盒转录因子4抗体
<b>Alias:</b>	Caudal-type homeobox protein 4; CDX4; CDX4_HUMAN; Homeobox protein CDX-4.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=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>	30kDa
<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 CDX4:185-284/284
<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>	Cdx1, Cdx2 and Cdx4 are members of the caudal-type homeobox family of genes, which are homologs of the Drosophila “caudal” gene required for anterior-posterior regional identity. The proteins encoded by these genes are transcription factors which play an important role in development by regulating the expression of Hox genes. 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. Cdx4 is a major positive regulator of the expression of all Hox family members. Due to its

critical role as a regulator, Cdx4 is a direct target of the canonical Wnt pathway. The loss of Cdx4 can result in the development of an expanded hindbrain, while the overexpression of Cdx4 may cause the hindbrain to lose its distinct segmental features and resemble the spinal cord.

**Subcellular Location:**

Nucleus.

**Similarity:**

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

**SWISS:**

O14627

**Gene ID:**

1046

**Database links:**

[Entrez Gene: 1046](#)Human

[Entrez Gene: 12592](#)Mouse

[Omim: 300025](#)Human

[SwissProt: O14627](#)Human

[SwissProt: Q07424](#)Mouse

[Unigene: 553488](#)Human

[Unigene: 4353](#)Mouse

**Important Note:**

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