

## Rabbit Anti-DLX4 antibody

SL0352R

<b>Product Name</b>	DLX4
<b>Chinese Name</b>	DLX4 抗体
<b>Alias</b>	Beta protein 1; distal-less homeobox 4; DLX4; DLX4_HUMAN; DLX7; DLX8; Homeobox protein DLX-4; Homeobox protein DLX-7; Homeobox protein DLX-8; Homeobox protein DLX4.
<b>Research Area</b>	Chromatin and nuclear signals transcriptional regulatory factor
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human, (predicted: Mouse, Rat, Dog, Cow, Rabbit, )
<b>Applications</b>	ELISA=1:5000-10000 (Paraffin sections need antigen repair ) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	26kDa
<b>Cellular localization</b>	The nucleus
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human DLX4: 151-240/240
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>
<b>Product Detail</b>	Many vertebrate homeo box-containing genes have been identified on the basis of their sequence similarity with Drosophila developmental genes. Members of the Dlx gene family contain a homeobox that is related to that of

Distal-less (Dll), a gene expressed in the head and limbs of the developing fruit fly. The Distal-less (Dlx) family of genes comprises at least 6 different members, DLX1-DLX6. The DLX proteins are postulated to play a role in forebrain and craniofacial development. Three transcript variants have been described for this gene, however, the full length nature of one variant has not been described. Studies of the two splice variants revealed that one encoded isoform functions as a repressor of the beta-globin gene while the other isoform lacks that function. [provided by RefSeq, Jul 2008].

**Function:**

May play a role in determining the production of hemoglobin S. May act as a repressor.

**Subcellular Location:**

Nucleus (Potential).

**Tissue Specificity:**

Expressed in leukemia cells and placenta. Also expressed in kidney and fetal liver.

**Similarity:**

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

**SWISS:**

Q92988

**Gene ID:**

1748

**Database links:**

[Entrez Gene: 1748](#) Human

[Entrez Gene: 13394](#) Mouse

[Entrez Gene: 303469](#) Rat

[Omir: 601911](#) Human

[SwissProt: Q92988](#) Human

[SwissProt: P70436](#) Mouse

[Unigene: 591167](#) Human

[Unigene: 439766](#) Mouse



DLX4 基因的表达异常与乳腺癌、结肠癌以及白血病的发生有关.与 AML-急性髓系白血病有一定的相关性,DLX4 在急性髓系白血病有高表达,在急性 lymphocyte 白血病中无表达,可作为 AML 的一种分子标志,用于两者的鉴别参考。