



Rabbit Anti-DLX4 antibody

SL0352R

Product Name:	DLX4
Chinese Name:	DLX4抗体
Alias:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Rabbit,
Applications:	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.
Molecular weight:	26kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DLX4:151-240/240
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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

[Omim: 601911](#)Human

[SwissProt: Q92988](#)Human

[SwissProt: P70436](#)Mouse

[Unigene: 591167](#)Human

[Unigene: 439766](#)Mouse

Important Note:

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

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。

www.sunlongbiotech.com