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Rabbit Anti-DLX2/Cy5.5 Conjugated antibody

SL20452R-Cy5.5

Product Name	Anti-DLX2/Cy5.5
Chinese Name	Cy5.5 标记的同源转录因子 DLX2 抗体
Alias	DII A; Distal less homeo box 2; Distal less homeobox 2; Distal-less homeobox 2; DLX 2; Dlx2; DLX2_HUMAN; Dlx5; Homeobox protein DLX 2; Homeobox protein DLX-2; Homeobox protein DLX2; Homeobox protein TES 1; Homeobox protein TES-1; Homeobox protein TES1; Tes 1; Tes-1; Tes1; zgc.
Research Area	Cell biology Neurobiology Signal transduction Stem cells Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	34kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DLX2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** Dlx genes are a highly conserved family of six different (Dlx1–6) homeo box-containing genes that share homology with distal-less (Dll), a gene expressed in the head and limbs of the developing fruit fly. Dlx genes are expressed in spatially and temporally restricted patterns in craniofacial

primordia, basal telencephalon and diencephalon, and in distal regions of extending appendages, including the limb and the genital bud. The differential expression of Dlx influences patterning, morphogenesis and histogenesis in these tissues. The Dlx gene products can activate transcription and are localized primarily to the nucleus, although Dlx-5 can be found in the cytoplasm. Dlx proteins influence different stages of proper tissue development, including patterning of the orofacial skeleton (craniofacial ectomesenchyme) and differentiation of structures within and between teeth.

Function:
Likely to play a regulatory role in the development of the ventral forebrain. May play a role in craniofacial patterning and morphogenesis.

Subcellular Location:
Nucleus.

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

Database links:

Entrez Gene: 1746 Human

Entrez Gene: 13392 Mouse

Omim: 126255 Human

SwissProt: Q07687 Human

SwissProt: P40764 Mouse

Unigene: 419 Human

Unigene: 3896 Mouse

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