



# Mouse anti-Human DLX1 monoclonal antibody, clone 3I4 (CABT-B10103)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	DLX1 (NP_835221, 152 a.a. ~ 256 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3I4
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,IF,IP,sELISA,ELISA
<b>Sequence Similarities</b>	YLALPERAELAASLGLTQTQVKIWFQNKRSKFKKLMKQGGALEGSALANGRALSAGSPP VPPGWNPNSSSGKSGGNAGSYIPSYTSWYPSAHQEAMQQPQLM*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	This gene encodes a member of a homeobox transcription factor gene family similar to the Drosophila distal-less gene. The encoded protein is localized to the nucleus where it may
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function as a transcriptional regulator of signals from multiple TGF- $\beta$  superfamily members. The encoded protein may play a role in the control of craniofacial patterning and the differentiation and survival of inhibitory neurons in the forebrain. This gene is located in a tail-to-tail configuration with another member of the family on the long arm of chromosome 2. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

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<b>Keywords</b>	DLX1; distal-less homeobox 1; homeobox protein DLX-1; distal-less homeo box 1;
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## GENE INFORMATION

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<b>Entrez Gene ID</b>	<a href="#">1745</a>
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<b>UniProt ID</b>	<a href="#">Q7Z724</a>
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<b>Pathway</b>	Regulation of nuclear SMAD2/3 signaling, organism-specific biosystem
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<b>Function</b>	DNA binding; DNA binding; chromatin binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity
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