



## Anti-DLX3 (full length) polyclonal antibody (DPAB-DC765)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	Many vertebrate homeo box-containing genes have been identified on the basis of their sequence similarity with <i>Drosophila</i> developmental genes. Members of the <i>Dlx</i> gene family contain a homeobox that is related to that of <i>Distal-less</i> ( <i>Dll</i> ), a gene expressed in the head and limbs of the developing fruit fly. The <i>Distal-less</i> ( <i>Dlx</i> ) family of genes comprises at least 6 different members, <i>DLX1-DLX6</i> . <i>Trichodentosseous syndrome</i> ( <i>TDO</i> ), an autosomal dominant condition, has been correlated with <i>DLX3</i> gene mutation. This gene is located in a tail-to-tail configuration with another member of the gene family on the long arm of chromosome 17. Mutations in this gene have been associated with the autosomal dominant conditions <i>trichodentosseous syndrome</i> and <i>amelogenesis imperfecta with taurodontism</i> .
<b>Immunogen</b>	DLX3 (AAH12361, 1 a.a. ~ 287 a.a) full-length recombinant protein with GST tag. The sequence is  MSGSFDRKLSSILTDISSLSCAGSKDSPTLPESSTDLGYY SAPQHDYYSGQPYGQTV NPYTYHHQFNLNGLAGTGAYSPKSEYTYGASYRQYGAYREQPLPAQDPVSVKEEPEAEVR MVNGKPKKVRKPRTIYSSYQLAALQRRFQKAQYLALPERAELAAQLGLTQTQVKIWFQNR RSKFKKLYKNGEVPLEHSPNNSDSMACNSPPSPALWDTSSHSTPAPARSQQLPPPLPYSAS PSYLDLDPNTSWYHAQNLSGPHLQQQQPATLHHASPGPPPNNPGAVY
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol

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<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DLX3 distal-less homeobox 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DLX3
<b>Synonyms</b>	DLX3; distal-less homeobox 3; AL4; TDO; homeobox protein DLX-3;
<b>Entrez Gene ID</b>	<a href="#">1747</a>
<b>Protein Refseq</b>	<a href="#">NP_005211</a>
<b>UniProt ID</b>	<a href="#">O60479</a>
<b>Chromosome Location</b>	17q21
<b>Function</b>	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; chromatin binding; sequence-specific DNA binding transcription factor activity; transcription reg

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