



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

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

PRODUCT INFORMATION

Antigen Description	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. Trichodontoosseous syndrome (TDO), an autosomal dominant condition, has been correlated with DLX3 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 trichodontoosseous syndrome and amelogenesis imperfecta with taurodontism.
Immunogen	DLX3 (AAH12361, 1 a.a. ~ 287 a.a) full-length recombinant protein with GST tag. The sequence is MSGSFDRKLSSILTDISSLSCHAGSKDSPTLPESVTDLGYYSA PQHDYYSGQPYGQTV NPYTYHHQFNLNGLAGTGAYSPKSEYTYGASYRQYGAYREQPLPAQDPVSVKKEPEAEVR MVNGKPKKVRKPRTIYSSYQLAALQRRFQKAQYLALPERAELAAQLGLTQTQVKIWFQNR RSKFKKLYKNGEVPLEHSPNNSDSMACNSPPSPALWDTSSHSTPAPARSQ LPPPLPYSAS PSYLD DPTNSWYHAQNLSGPHLQQQPPQPATLHHASPGPPP NPGAVY
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

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

GENE INFORMATION

Gene Name	DLX3 distal-less homeobox 3 [Homo sapiens (human)]
Official Symbol	DLX3
Synonyms	DLX3; distal-less homeobox 3; AI4; TDO; homeobox protein DLX-3;
Entrez Gene ID	1747
Protein Refseq	NP_005211
UniProt ID	O60479
Chromosome Location	17q21
Function	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