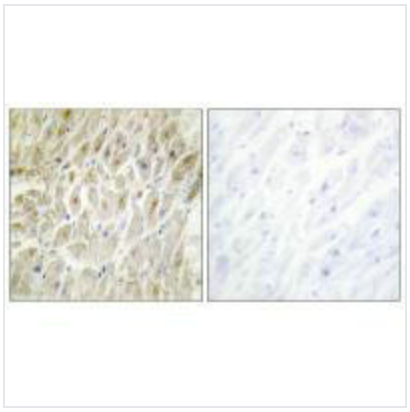
DLX3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DLX3, Polyclonal Antibody
Full Product Name	DLX3 Antibody
Product Gene Name	anti-DLX3 antibody
Product Synonym Names	Homeobox protein DLX-3; DLX3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	31,738 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (48067369..48072588, complement). Location: 17q21
OMIM	104510
3D Structure	ModBase 3D Structure for O60479
Immunogen	Synthesized peptide derived from internal of human DLX3.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-DLX3 antibody	Epigenetics and Nuclear Signaling
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DLX3 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-DLX3 antibody	WB: 1:500-1:3000 IHC: 1:50-1:100
Related Product Information for anti-DLX3 antibody	MBS7132187 is an antibody targeting DLX3. Also known as DLX3 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-DLX3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Western Blot (WB) of anti-DLX3 antibody
Western blot analysis of extracts from 293 cells, using DLX3 antibody.



Immunohistochemistry (IHC) of anti-DLX3 antibody
Immunohistochemistry analysis of paraffin-embedded human heart tissue using DLX3 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DLX3. It may not necessarily be applicable to this product.

NCBI GI #	4885185
NCBI GeneID	1747
NCBI Accession #	NP_005211.1
UniProt Primary Accession #	O60479
UniProt Secondary Accession #	B3KQL6
UniProt Related Accession #	O60479
GenBank Nucleotide #	NM_005220.2
NCBI Official Full Name	homeobox protein DLX-3
NCBI Official Synonym Full Names	distal-less homeobox 3
NCBI Official Symbol	DLX3
NCBI Official Synonym Symbols	AI4; TDO
UniProt Protein Name	Homeobox protein DLX-3
Protein Family	Distal-less-like protein
UniProt Gene Name	DLX3
UniProt Entry Name	DLX3_HUMAN
NCBI Protein Information	homeobox protein DLX-3
NCBI Summary for DLX3	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. Trichodentoosseous 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 trichodentoosseous syndrome and amelogenesis imperfecta with taurodontism. [provided by RefSeq, Jul 2008]

UniProt Comments for DLX3	DLX3: Likely to play a regulatory role in the development of the ventral forebrain. May play a role in craniofacial patterning and morphogenesis. Defects in DLX3 are a cause of trichodentoosseous syndrome (TDO). TDO is an autosomal dominant syndrome characterized by enamel hypoplasia and hypocalcification with associated strikingly curly hair. Defects in DLX3 are the cause of amelogenesis imperfecta type 4 (AI4); also known as amelogenesis imperfecta hypomaturation-hypoplastic type with taurodontism. AI4 is an autosomal dominant defect of enamel formation associated with enlarged pulp chambers. Belongs to the distal-less homeobox family. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 17q21 Cellular Component: nucleus Molecular Function: sequence-specific DNA binding; chromatin binding; transcription factor activity Biological Process: blood vessel development; positive regulation of transcription from RNA polymerase II promoter; placenta development; odontogenesis of dentine-containing teeth Disease: Amelogenesis Imperfecta, Type Iv; Trichodentoosseous Syndrome
Research Articles on DLX3	**1.** Increased DLX3 expression in idiopathic fetal growth restricion (FGR) may contribute to trophoblast dysfunction observed in FGR.
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