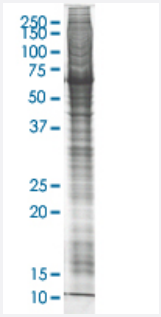
DLX4 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

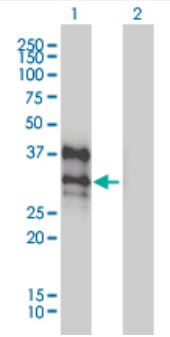
Catalog # L070T6 Size 100 ug

Applications



SDS-PAGE Gel

DLX4 transfected lysate



Western Blot

Lane 1: DLX4 transfected lysate (26 KDa).
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-DLX4 full length
Host	Human
Theoretical MW (kDa)	26
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0. 1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-DLX4 antibody (H00001748-M01) by Western Blots. SDS-PAGE Gel DLX4 transfected lysate Western Blot Lane 1: DLX4 transfected lysate (26 KDa). Lane 2: Non-transfected lysate.
Recommend Usage	Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Storage Buffer	In modified RIPA Lysis Buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

  Protocol Download

Gene Info — DLX4

Entrez GeneID	1748
GeneBank Accession#	BC016145
Protein Accession#	AAH16145
Gene Name	DLX4
Gene Alias	BP1, DLX7, DLX8, DLX9
Gene Description	distal-less homeobox 4
Omim ID	601911
Gene Ontology	Hyperlink

Gene Summary	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 homeo box that is related to that of Distal-less (Dll), a gene expressed in the head and limbs of the develo ping fruit fly. The Distal-less (Dlx) family of genes comprises at least 6 different members, DLX1-DLX6. The DLX proteins are postulated to play a role in forebrain and craniofacial development. Three transcript variants have been described for this gene, however, the full length nature of one variant has not been described. Studies of the two splice variants revealed that one encoded isof orm functions as a repressor of the beta-globin gene while the other isoform lacks that function. [p rovided by RefSeq
Other Designations	beta protein 1|distal-less homeo box 7|distal-less homeo box 9

Disease

- Cleft Lip
- Cleft Palate
- Tooth Abnormalities