10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DLX2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6884C

Product Information

Application	WB, IHC-P, E
Primary Accession	Q07687
Reactivity	Mouse, Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21017
Calculated MW	34243
Antigen Region	194-222

Additional Information

Gene ID	1746
Other Names	Homeobox protein DLX-2, DLX2
Target/Specificity	This DLX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 194-222 amino acids from the Central region of human DLX2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DLX2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DLX2
Function	Acts as a transcriptional activator (By similarity). Activates transcription of CGA/alpha-GSU, via binding to the downstream activin regulatory element (DARE) in the gene promoter (By similarity). Plays a role in terminal differentiation of interneurons, such as amacrine and bipolar cells in the developing retina. Likely to play a regulatory role in the development of the

ventral forebrain (By similarity). May play a role in craniofacial patterning and morphogenesis (By similarity).

Cellular Location Nucleus.

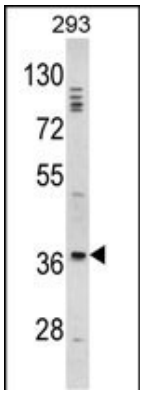
Background

DLX2 is likely to play a regulatory role in the development of the ventral forebrain. It may play a role in craniofacial patterning and morphogenesis. Subcellular location: Nucleus (Potential).

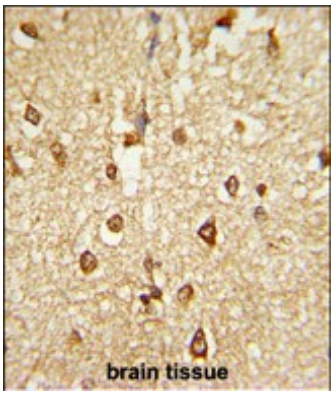
References

Yerges,L.M., et.al., J. Bone Miner. Res. (2009)

Images



Western blot analysis of DLX2 Antibody (Center) (Cat. #AP6884c) in 293 cell line lysates (35ug/lane). DLX2 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with DLX2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Citations

- DLX2 activates Wnt1 transcription and mediates Wnt/β-catenin signal to promote osteogenic differentiation of hBMSCs
- Inhibitory effect of Phalaenopsis orchid extract on WNT1-induced immature melanocyte precursor differentiation in a novel in vitro solar lentigo model.