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# DLX2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6884C

## Product Information

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

## Additional Information

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|---|---|
| **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

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|---|---|
| **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.

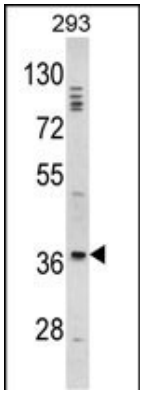
## Background

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).

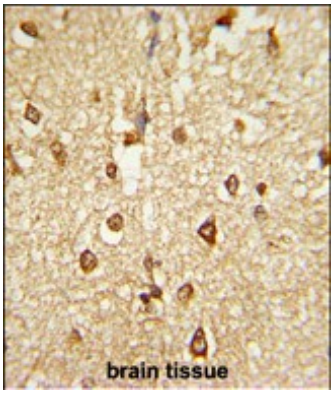
## References

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.