abcam

Product datasheet

Anti-DLX3 antibody ab64953

1 Abreviews 8 References 2 Images

Overview

Product name	Anti-DLX3 antibody
Description	Rabbit polyclonal to DLX3
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide (Human) from an internal region
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab64953 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 40 kDa (predicted molecular weight: 32 kDa).
IHC-P		1/50 - 1/100.

Target

Function

Likely to play a regulatory role in the development of the ventral forebrain. May play a role in craniofacial patterning and morphogenesis.

Involvement in disease

Defects in DLX3 are a cause of trichodentoosseous syndrome (TDO) [MIM:190320]. 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) [MIM:104510]; also known as amelogenesis imperfecta hypomaturation-hypoplastic type with taurodontism. AI4 is an autosomal dominant defect of enamel formation associated with enlarged pulp chambers.

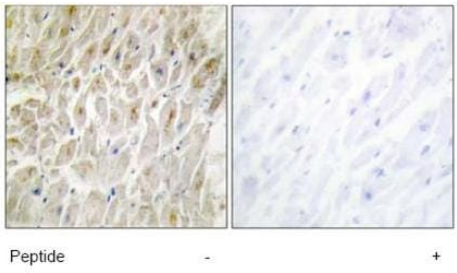
Sequence similarities

Belongs to the distal-less homeobox family.
Contains 1 homeobox DNA-binding domain.

Cellular localization

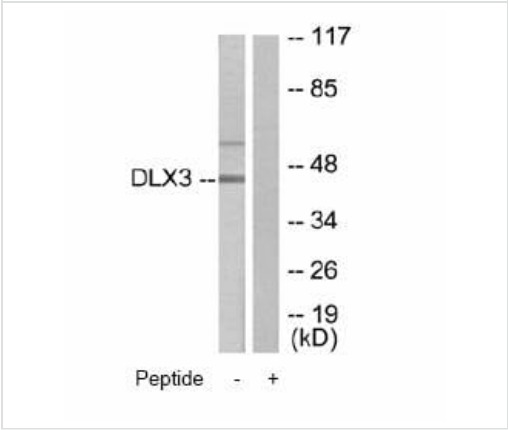
Nucleus.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DLX3 antibody (ab64953)

Immunohistochemistry analysis of paraffin-embedded human heart tissue using ab64953 at 1/50 dilution. Right hand panel was also treated with immunising peptide.



Western blot - Anti-DLX3 antibody (ab64953)

All lanes : Anti-DLX3 antibody (ab64953) at 1/500 dilution

Lane 1 : 293 cell extract
Lane 2 : 293 cell extract with immunising peptide at 5 µg

Lysates/proteins at 5 µg per lane.

Predicted band size: 32 kDa
Observed band size: 40 kDa
Additional bands at: 60 kDa. We are unsure as to the identity of these extra bands.

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