

Datasheet for ABIN2780658
anti-DLX3 antibody (C-Term)



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Overview

Quantity:	100 µL
Target:	DLX3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Horse, Guinea Pig, Rabbit, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLX3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human DLX3
Sequence:	SASPSYLDDP TNSWYHAQNL SGPHLQQQPP QPATLHHASP GPPNPGAVY
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast: 100%
Characteristics:	This is a rabbit polyclonal antibody against DLX3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	DLX3
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Target Details

Alternative Name: DLX3 ([DLX3 Products](#))

Background: DLX3 is a member of the Dlx gene family which contains 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 homeo box(Dlx) family of genes comprises at least 6 different members, DLX1-DLX6. Trichodontoosseous syndrome (TDO), an autosomal dominant condition, has been correlated with DLX3 gene mutation. Mutations in this gene have been associated with the autosomal dominant conditions trichodontoosseous syndrome and amelogenesis imperfecta with taurodontism. 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. Trichodontoosseous 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 trichodontoosseous syndrome and amelogenesis imperfecta with taurodontism.

Alias Symbols: AI4, TDO

Protein Interaction Partner: TDP2, TBL1X, PRKCA,

Protein Size: 287

Molecular Weight: 32 kDa

Gene ID: 1747

NCBI Accession: [NM_005220](#), [NP_005211](#)

UniProt: [O60479](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 287 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

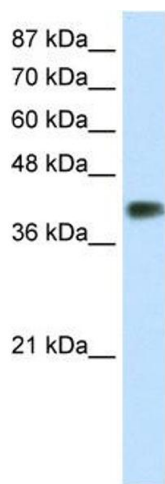
Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Schlögl, Keinrath, Zimmermann, Scherer, Leeb, Pfurtscheller: "A fully automated correction method of EOG artifacts in EEG recordings." in: Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology , Vol. 118, Issue 1, pp. 98-104, (2006) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-DLX3 Antibody Titration: 1.25ug/ml ELISA Titer: 1:1562500 Positive Control: Transfected 293T